



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	
Net Power		
ISO 9249	128.5 kW	172 hp
ISO 9249 (DIN)	175 hp (metric)	
Engine Power		
ISO 14396	129.4 kW	174 hp
ISO 14396 (DIN)	176 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 2,200 rpm.

⁽¹⁾Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:

- ✓ 20% biodiesel FAME (fatty acid methyl ester)***
- ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

* While Cat engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Swing Mechanism

Swing Speed*	11.25 rpm	
Maximum Swing Torque	82 kN·m	60,300 lbf·ft

*For CE-marked machine default value may be set lower.

Weights

Operating Weight	21 900 kg	48,300 lb
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- Reach boom, R2.9 (9'6") stick, Heavy Duty (HD) 1.19 m³ (1.56 yd³) bucket, 600 mm (24 in) triple grouser shoes, 4.2 mt (9,300 lb) counterweight.

Track

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

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

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

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

Fuel Tank Capacity	345 L	91.1 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive	6 L	1.6 gal
Final Drive (each)	4 L	1.1 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal
Diesel Exhaust Fluid (DEF) Tank	39 L	10.3 gal

Standards

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

Sound Performance

ISO 6395:2008 (external)	99 dB(A)
ISO 6396:2008 (inside cab)	70 dB(A)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors windows open) for extended periods or in noisy environment(s).

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 0.85 kg (1.9 lb) of refrigerant which has a CO₂ equivalent of 1.216 metric tonnes (1.340 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.75 kg (1.7 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Operating Weights and Ground Pressures

Base Machine Configurations	600 mm (24 in) Triple Grouser Shoes		700 mm (28 in) Triple Grouser Shoes		790 mm (31 in) Triple Grouser Shoes		900 mm (35 in) HD Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Frame with Track Rollers and Carrier Rollers								
4.2 mt (9,300 lb) Counterweight and Long Undercarriage Base Machine								
Reach Boom + R2.9 (9'6") Stick + 1.19 m ³ (1.56 yd ³) HD Bucket	21 900 kg (48,300 lb)	45.6 kPa (6.6 psi)	22 300 kg (49,200 lb)	39.8 kPa (5.8 psi)	22 600 kg (49,800 lb)	35.7 kPa (5.2 psi)	23 400 kg (51,600 lb)	32.4 kPa (4.7 psi)

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

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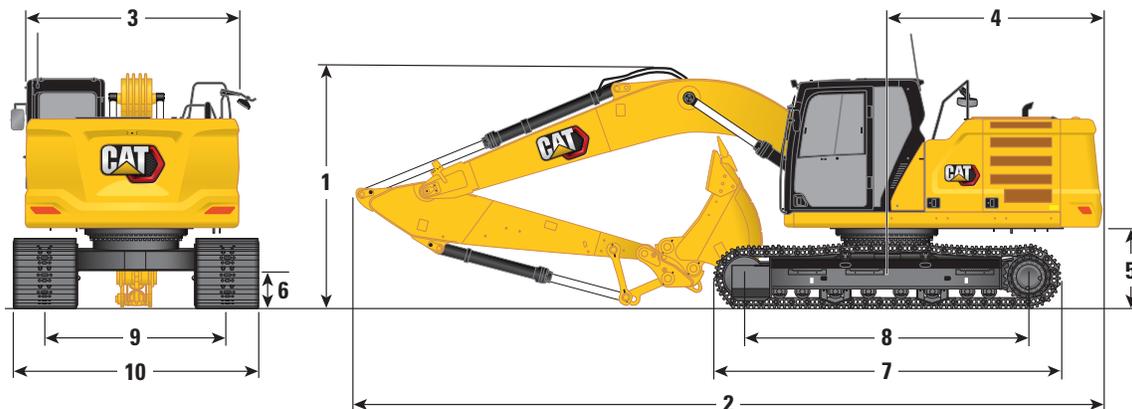
Major Component Weights

	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 – does not include boom, stick, bucket, boom cylinders, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator)	14 800	32,600
Base Machine (with 4.7 mt [10,400 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage – does not include boom, stick, bucket, boom cylinders, stick cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator)	15 300	33,700
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	3370	7,400
900 mm (35 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes with Step Extension	4180	9,200
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweights:		
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
Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4390	9,700
Booms (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1710	3,800
HD Reach Boom 5.7 m (18'8")	2010	4,400
VA Boom 2.8 m (9'2") Stub + 3.3 m (10'10") Fore	3050	6,700
Super Long Reach (SLR) Boom 8.85 m (29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.5B1 (8'2")	1020	2,200
Reach Stick R2.9B1 (9'6")	1080	2,400
HD Reach Stick R2.5B1 (8'2")	1060	2,300
HD Reach Stick R2.9B1 (9'6")	1110	2,400
SLR Stick 6.28A (20'7")	1340	3,000
Buckets (without linkage):		
1.19 m ³ (1.56 yd ³) HD	960	2,100
1.19 m ³ (1.56 yd ³) General Duty (GD)	820	1,800
0.57 m ³ (0.75 yd ³) Ditch Cleaning (DC)	390	850
0.53 m ³ (0.69 yd ³) GD	410	900
Quick Couplers (QC):		
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")**

Stick Options

Reach Sticks

R2.5B1 (8'2")

R2.9B1 (9'6")

1 Machine Height:

Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"
Top of Global Navigation Satellite System (GNSS) Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3080 mm	10'1"	3160 mm	10'4"
With Boom/Stick Installed	2830 mm	9'3"	2910 mm	9'7"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"

2 Machine Length:

With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm	31'3"
With Boom/Stick Installed	9480 mm	31'2"	9500 mm	31'2"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"

3 Upperframe Width

Upperframe Width	2780 mm	9'1"	2780 mm	9'1"
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4 Tail Swing Radius

Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"
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5 Counterweight Clearance

Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"
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6 Ground Clearance

Ground Clearance	470 mm	1'7"	470 mm	1'7"
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7 Track Length

Track Length	4450 mm	14'7"	4450 mm	14'7"
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8 Length to Center of Rollers

Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"
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9 Track Gauge

Track Gauge	2380 mm	7'9"	2380 mm	7'9"
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10 Undercarriage Width:

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

HD

HD

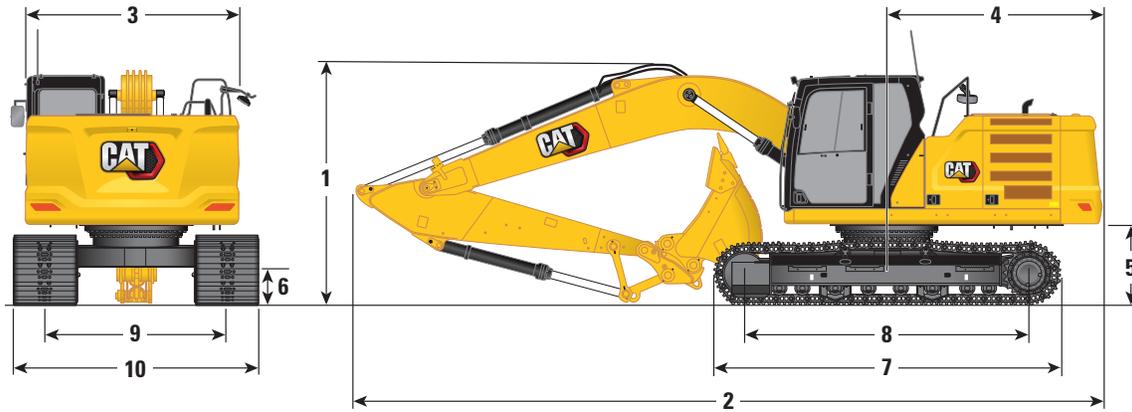
Bucket Capacity	1.19 m ³	1.56 yd ³	1.19 m ³	1.56 yd ³
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Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"
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Dimensions (continued)

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

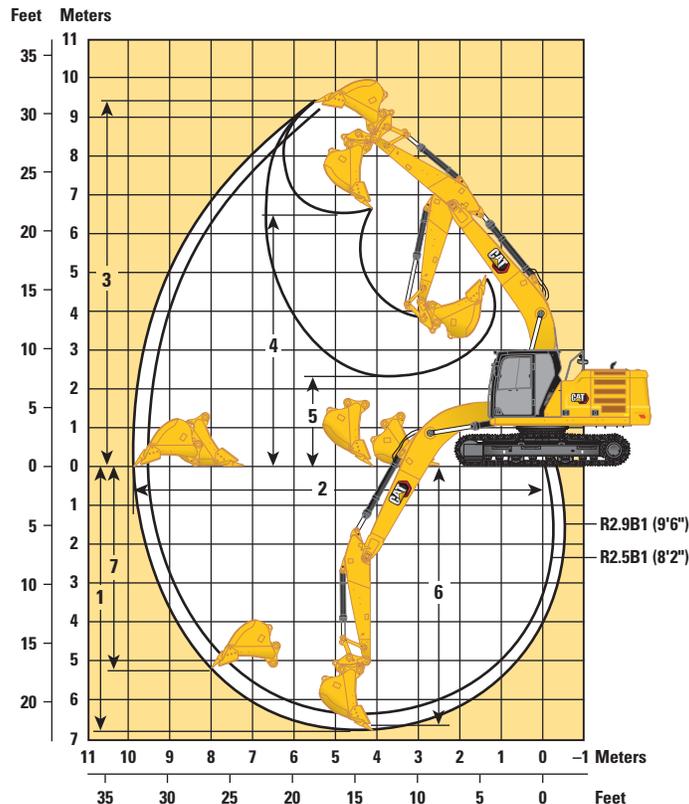


Boom Option	VA Boom 2.8 m (9'2") Stub/3.3 m (10'10") Fore				SLR Boom 8.85 m (29'0")	
	Reach Sticks		Reach Sticks		SLR Stick	
Stick Options	R2.5B1 (8'2")		R2.9B1 (9'6")		6.28A (20'7")	
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	2910 mm	9'6"	3000 mm	9'10"	3190 mm	10'6"
With Boom/Stick Installed	2700 mm	8'10"	2790 mm	9'1"	3070 mm	10'1"
With Boom Installed	2310 mm	7'6"	2310 mm	7'6"	2650 mm	8'8"
2 Machine Length:						
With Boom/Stick/Bucket Installed	9800 mm	32'1"	9770 mm	32'0"	12 750 mm	41'9"
With Boom/Stick Installed	9780 mm	32'1"	9780 mm	32'1"	12 760 mm	41'9"
With Boom Installed	8710 mm	28'6"	8710 mm	28'6"	8920 mm	29'3"
3 Upperframe Width	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 Track Length	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
8 Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
9 Track Gauge	2380 mm	7'9"	2380 mm	7'9"	2380 mm	7'9"
10 Undercarriage Width:						
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	HD		HD		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"

320 Hydraulic Excavator Specifications

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

R2.5B1 (8'2")

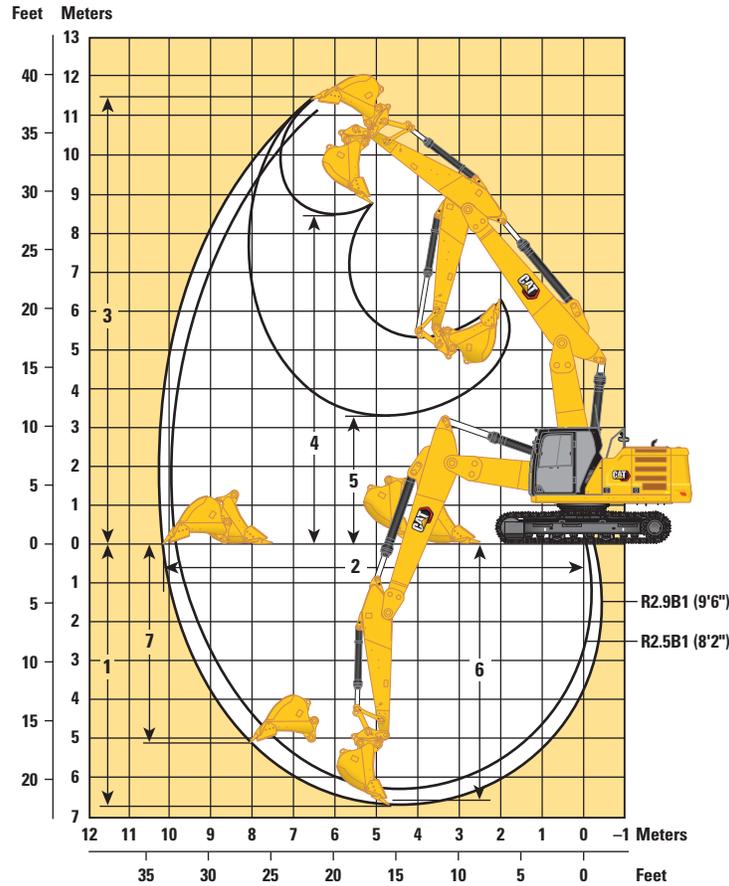
R2.9B1 (9'6")

	R2.5B1 (8'2")		R2.9B1 (9'6")	
1 Maximum Digging Depth	6300 mm	20'8"	6720 mm	22'1"
2 Maximum Reach at Ground Line	9470 mm	31'0"	9860 mm	32'4"
3 Maximum Cutting Height	9170 mm	30'1"	9370 mm	30'9"
4 Maximum Loading Height	6290 mm	20'7"	6490 mm	21'3"
5 Minimum Loading Height	2590 mm	8'6"	2170 mm	7'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6110 mm	20'0"	6550 mm	21'6"
7 Maximum Vertical Wall Digging Depth	4800 mm	15'9"	5190 mm	17'0"
Bucket Digging Force (ISO)	141 kN	31,586 lbf	141 kN	31,586 lbf
Stick Digging Force (ISO)	118 kN	26,572 lbf	107 kN	23,987 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	153 kN	34,293 lbf	153 kN	34,293 lbf
Stick Digging Force (ISO) – Auto Dig Boost	128 kN	28,850 lbf	116 kN	26,043 lbf
Bucket Type	HD		HD	
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"

320 Hydraulic Excavator Specifications

Working Ranges (continued)

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

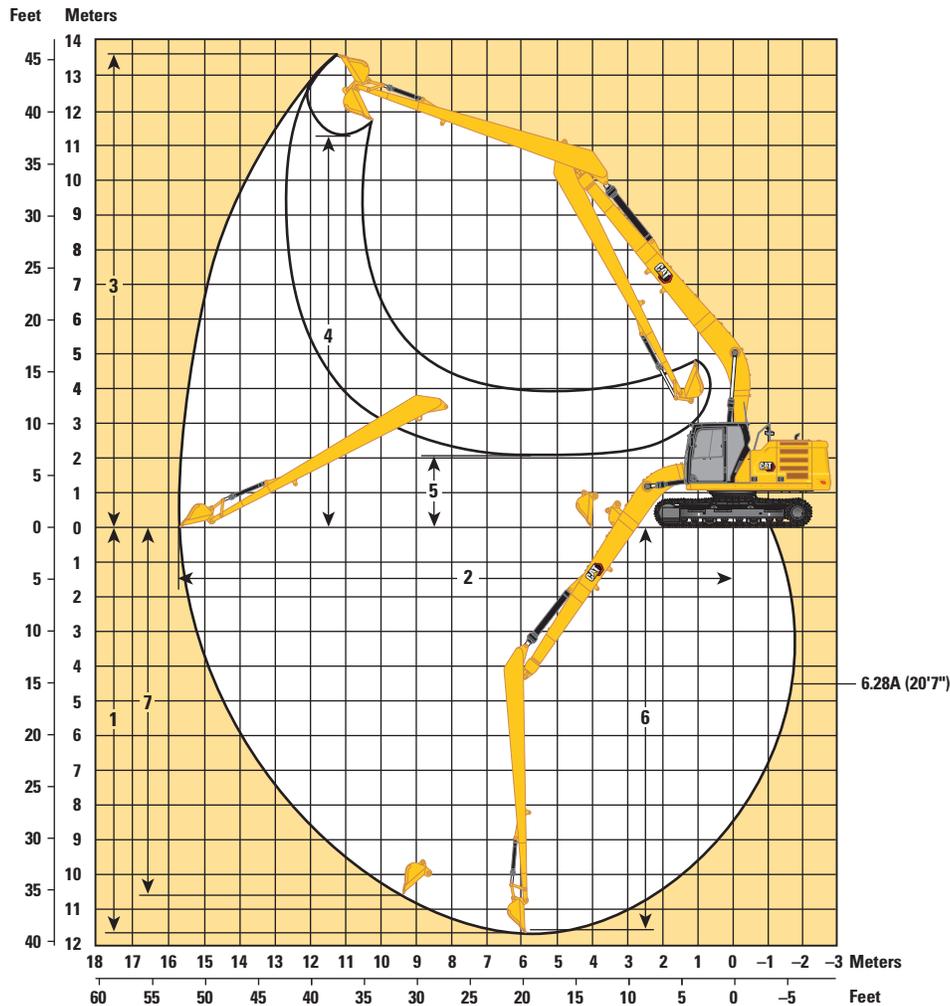
Reach Sticks
R2.5B1 (8'2") R2.9B1 (9'6")

	R2.5B1 (8'2")	20'7"	R2.9B1 (9'6")	21'11"
1 Maximum Digging Depth	6280 mm	20'7"	6700 mm	21'11"
2 Maximum Reach at Ground Line	9810 mm	32'2"	10 210 mm	33'6"
3 Maximum Cutting Height	11 180 mm	36'8"	11 520 mm	37'9"
4 Maximum Loading Height	8070 mm	26'5"	8410 mm	27'7"
5 Minimum Loading Height	3660 mm	12'0"	3260 mm	10'8"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6180 mm	20'3"	6600 mm	21'7"
7 Maximum Vertical Wall Digging Depth	4680 mm	15'4"	5060 mm	16'7"
Bucket Digging Force (ISO)	141 kN	31,586 lbf	141 kN	31,586 lbf
Stick Digging Force (ISO)	118 kN	26,572 lbf	107 kN	23,987 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	153 kN	34,293 lbf	153 kN	34,293 lbf
Stick Digging Force (ISO) – Auto Dig Boost	128 kN	28,850 lbf	116 kN	26,043 lbf
Bucket Type	HD		HD	
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"

320 Hydraulic Excavator Specifications

Working Ranges (continued)

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



Boom Option

SLR Boom
8.85 m (29'0")

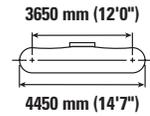
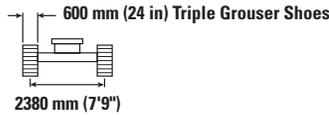
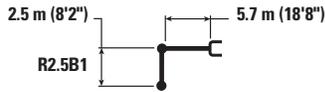
Stick Options

6.28A (20'7") SLR Stick 6.28A (20'7")

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

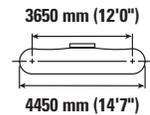
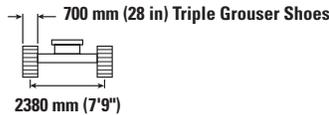
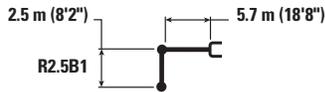
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Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		3650 mm (12'0") 4450 mm (14'7")		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	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		3650 mm (12'0") 4450 mm (14'7")		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 10567:2007



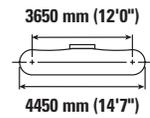
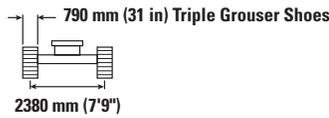
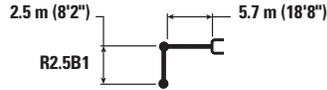
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Lift capacity stays with ±5% for all available track shoes.

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

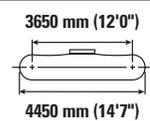
320 Hydraulic Excavator Specifications

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



Reach Boom Lift Capacity	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		3650 mm (12'0") 4450 mm (14'7")		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 Lift Capacity	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		3650 mm (12'0") 4450 mm (14'7")		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 10567:2007



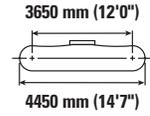
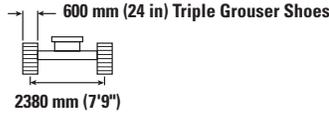
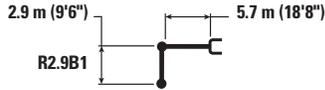
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Lift capacity stays with ±5% for all available track shoes.

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

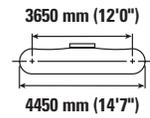
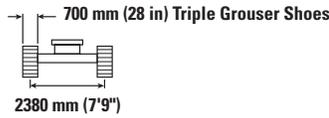
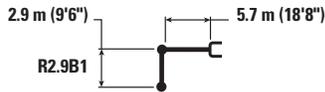
320 Hydraulic Excavator Specifications

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	5400 11,600			*4000 *8,800	3950 8,750	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5250 11,300	*5650 12,200	3700 7,950	*3900 *8,600	3350 7,400	7990 320
3000 mm 120 in	kg lb					*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	kg lb					*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	kg lb			*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	kg lb	*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	kg lb	*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	kg lb			*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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 11,750			*4000 *8,800	4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5350 11,450	*5650 *12,350	3750 8,100	*3900 *8,600	3400 7,500	7990 320
3000 mm 120 in	kg lb					*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	kg lb					*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	kg lb			*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	kg lb	*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	kg lb	*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	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7150 15,400					*6750 *14,850	5300 11,950	5600 220



ISO 10567:2007



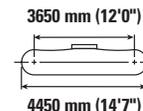
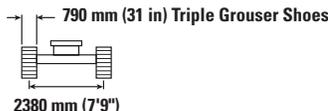
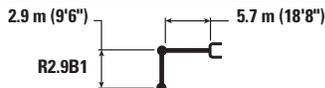
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Lift capacity stays with ±5% for all available track shoes.

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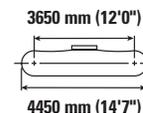
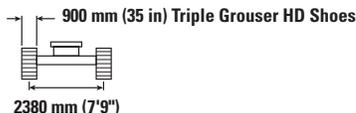
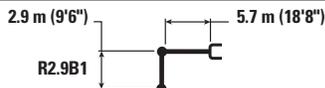
320 Hydraulic Excavator Specifications

Reach 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		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,900			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5400 11,600	*5650 *12,350	3800 8,200	*3900 *8,600	3450 7,600	7990 320
3000 mm 120 in	kg lb					*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	kg lb					*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	kg lb			*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	kg lb	*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	kg lb	*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	kg lb			*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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5550 11,950	*5650 *12,350	3950 8,450	*3900 *8,600	3550 7,850	7990 320
3000 mm 120 in	kg lb					*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	kg lb					*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	kg lb			*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	kg lb	*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	kg lb	*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	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7500 16,150					*6750 *14,850	5550 12,500	5600 220



ISO 10567:2007



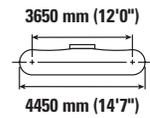
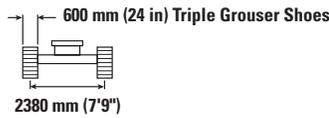
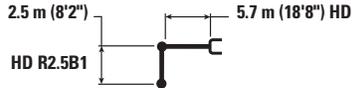
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Lift capacity stays with ±5% for all available track shoes.

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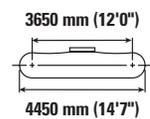
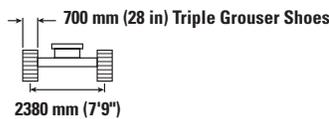
320 Hydraulic Excavator Specifications

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



Boom Length	Unit	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Diagram		mm in
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5350 11,500			*4700 *10,350	4300 9,650	6830 270
4500 mm 180 in	kg lb			*7300 *15,750	*7300 *15,750	*6250 *13,600	5200 11,250	*5150	3650	*4600 *10,100	3600 7,950	7570 300
3000 mm 120 in	kg lb			*9200 *19,750	7550 16,300	*7100 *15,350	5000 10,700	5550 11,950	3600 7,700	*4700 *10,350	3250 7,200	7960 320
1500 mm 60 in	kg lb			*10 850 *23,350	7050 15,250	7600 16,350	4750 10,200	5450 11,700	3450 7,450	4900 10,800	3150 6,900	8050 320
0 mm 0 in	kg lb			*11 550 *25,000	6850 14,700	7450 16,000	4600 9,900	5400 11,550	3400 7,300	5050 11,100	3200 7,000	7860 310
-1500 mm -60 in	kg lb	*12 250 *27,900	*12 250 *27,900	*11 400 *24,700	6800 14,600	7400 15,850	4550 9,800			5550 12,200	3500 7,700	7350 290
-3000 mm -120 in	kg lb	*14 300 *31,000	13 400 28,650	*10 400 *22,400	6900 14,850	7450 16,050	4600 9,950			6700 14,900	4200 9,350	6470 260
-4500 mm -180 in	kg lb			*7750 *16,200	7200 15,500					*6700 *14,650	6250 14,150	4980 200

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



Boom Length	Unit	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Diagram		mm in
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5400 11,600			*4700 *10,350	4350 9,750	6830 270
4500 mm 180 in	kg lb			*7300 *15,750	*7300 *15,750	*6250 *13,600	5250 11,350	*5150	3700	*4600 *10,100	3650 8,050	7570 300
3000 mm 120 in	kg lb			*9200 *19,750	7600 16,450	*7100 *15,350	5050 10,800	5650 12,100	3600 7,750	*4700 *10,350	3300 7,250	7960 320
1500 mm 60 in	kg lb			*10 850 *23,350	7150 15,350	7700 16,550	4800 10,300	5500 11,850	3500 7,550	4950 10,900	3150 6,950	8050 320
0 mm 0 in	kg lb			*11 550 *25,000	6900 14,850	7500 16,150	4650 10,000	5450 11,700	3450 7,400	5100 11,200	3250 7,100	7860 310
-1500 mm -60 in	kg lb	*12 250 *27,900	*12 250 *27,900	*11 400 *24,700	6850 14,750	7450 16,050	4600 9,900			5600 12,300	3550 7,750	7350 290
-3000 mm -120 in	kg lb	*14 300 *31,000	13 500 28,950	*10 400 *22,400	6950 15,000	7550 16,200	4650 10,050			6800 15,050	4250 9,400	6470 260
-4500 mm -180 in	kg lb			*7750 *16,200	7250 15,650					*6700 *14,650	6300 14,300	4980 200



ISO 10567:2007



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

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

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

320 Hydraulic Excavator Specifications

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

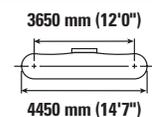
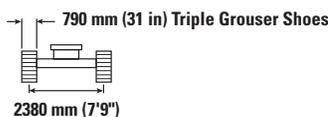
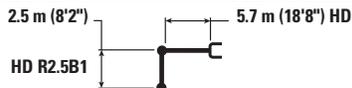


Diagram	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Diagram		mm in
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7500 mm 300 in									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in					*5800 *12,700	5500 11,750			*4700 *10,350	4400 9,850	6830 270
4500 mm 180 in			*7300 *15,750	*7300 *15,750	*6250 *13,600	5350 11,450	*5150	3750	*4600 *10,100	3700 8,150	7570 300
3000 mm 120 in			*9200 *19,750	7700 16,650	*7100 *15,350	5100 10,950	5700 12,250	3650 7,850	*4700 *10,350	3350 7,350	7960 320
1500 mm 60 in			*10 850 *23,350	7250 15,550	7800 16,750	4850 10,450	5600 12,000	3550 7,650	*5000 *11,000	3200 7,050	8050 320
0 mm 0 in			*11 550 *25,000	7000 15,050	7600 16,350	4700 10,100	5500 11,850	3500 7,500	5150 11,350	3250 7,200	7860 310
-1500 mm -60 in	kg lb	*12 250 *27,900	*12 250 *27,900	*11 400 *24,700	6950 14,950	7550 16,250	4650 10,000		5650 12,500	3550 7,850	7350 290
-3000 mm -120 in	kg lb	*14 300 *31,000	13 700 29,300	*10 400 *22,400	7050 15,200	7650 *16,400	4750 10,200		*6850 *15,100	4300 9,550	6470 260
-4500 mm -180 in	kg lb			*7750 *16,200	7350 15,850				*6700 *14,650	6400 14,450	4980 200

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

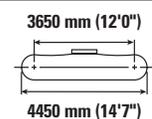
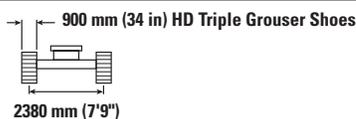
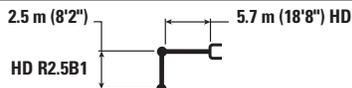


Diagram	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Diagram		mm in
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7500 mm 300 in									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in					*5800 *12,700	5650 12,100			*4700 *10,350	4550 10,150	6830 270
4500 mm 180 in			*7300 *15,750	*7300 *15,750	*6250 *13,600	5500 11,800	*5150	3850	*4600 *10,100	3800 8,400	7570 300
3000 mm 120 in			*9200 *19,750	7950 17,150	*7100 *15,350	5250 11,300	5900 12,650	3800 8,100	*4700 *10,350	3450 7,600	7960 320
1500 mm 60 in			*10 850 *23,350	7450 16,100	*7900 *17,150	5000 10,800	5800 12,450	3700 7,900	*5000 *11,000	3300 7,300	8050 320
0 mm 0 in			*11 550 *25,000	7250 15,550	7900 16,950	4850 10,450	5700 12,250	3600 7,750	5350 11,750	3400 7,450	7860 310
-1500 mm -60 in	kg lb	*12 250 *27,900	*12 250 *27,900	*11 400 *24,700	7200 15,500	7800 16,800	4800 10,350		5850 12,900	3700 8,150	7350 290
-3000 mm -120 in	kg lb	*14 300 *31,000	14150 30,250	*10 400 *22,400	7300 15,700	*7650 *16,400	4900 10,550		*6850 *15,100	4450 9,850	6470 260
-4500 mm -180 in	kg lb			*7750 *16,200	7600 *16,200				*6700 *14,650	6600 *14,650	4980 200



ISO 10567:2007



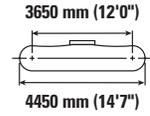
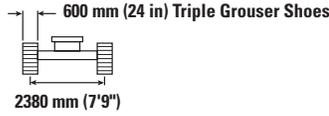
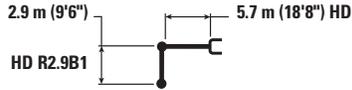
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

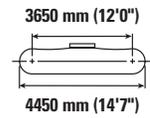
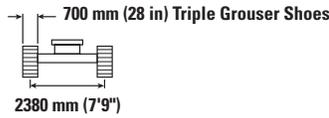
320 Hydraulic Excavator Specifications

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



Boom Length	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							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240	
6000 mm 240 in							*5350 *11,750	*5350 *11,750			*3900 *8,650	*3900 *8,650	7290 290	
4500 mm 180 in							*5900 *12,800	5300 11,400	*5550 *12,150	3750 8,000	*3850 *8,450	3350 7,400	7990 320	
3000 mm 120 in					*8600 *18,550	7700 16,600	*6750 *14,650	5050 10,500	5600 12,050	3600 7,750	*3950 *8,650	3050 6,700	8360 330	
1500 mm 60 in					*10 450 *22,500	7200 15,450	7650 16,500	4800 10,350	5500 11,800	3500 7,500	*4150 *9,150	2950 6,450	8450 340	
0 mm 0 in			*6750 *15,500	*6750 *15,500	*11 450 *24,750	6900 14,800	7450 16,050	4600 9,950	5400 11,550	3400 7,300	*4600 *10,150	3000 6,550	8260 330	
-1500 mm -60 in	kg lb	*7200 *16,100	*7200 *16,100	*11 650 *26,450	*11 650 *26,450	*11 550 *25,000	6800 14,600	7400 15,850	4550 9,750	5350 11,500	3400 7,250	5100 11,200	3200 7,100	7780 310
-3000 mm -120 in	kg lb	*12 350 *27,750	*12 350 *27,750	*15 300 *33,150	13 300 28,450	*10 800 *23,350	6850 14,750	7400 15,950	4550 9,850			6000 13,350	3800 8,400	6950 280
-4500 mm -180 in	kg lb			*12 200 *26,100	*12 200 *26,100	*8750 *18,650	7050 15,250					*6600 *14,550	5250 11,800	5600 220

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



Boom Length	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							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240	
6000 mm 240 in							*5350 *11,750	*5350 *11,750			*3900 *8,650	*3900 *8,650	7290 290	
4500 mm 180 in							*5900 *12,800	*5350 11,500	*5550 *12,150	3750 8,050	*3850 *8,450	3400 7,450	7990 320	
3000 mm 120 in					*8600 *18,550	7800 16,750	*6750 *14,650	5100 10,950	5650 12,200	3650 7,850	*3950 *8,650	3100 6,800	8360 330	
1500 mm 60 in					*10 450 *22,500	7250 15,600	*7700 *16,650	4850 10,450	5550 11,900	3550 7,600	*4150 *9,150	2950 6,500	8450 340	
0 mm 0 in			*6750 *15,500	*6750 *15,500	*11 450 *24,750	6950 14,950	7550 16,200	4650 10,050	5450 11,700	3450 7,400	*4600 *10,150	3000 6,600	8260 330	
-1500 mm -60 in	kg lb	*7200 *16,100	*7200 *16,100	*11 650 *26,450	*11 650 *26,450	*11 550 *25,000	6850 14,750	7450 16,000	4600 9,850	5400 11,650	3400 7,350	5150 11,350	3250 7,150	7780 310
-3000 mm -120 in	kg lb	*12 350 *27,750	*12 350 *27,750	*15 300 *33,150	13 400 28,700	*10 800 *23,350	6900 14,900	7500 16,100	4600 9,950			6100 13,500	3850 8,450	6950 280
-4500 mm -180 in	kg lb			*12 200 *26,100	*12 200 *26,100	*8750 *18,650	7150 15,400					*6600 *14,550	5300 11,900	5600 220



ISO 10567:2007



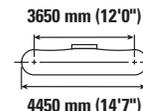
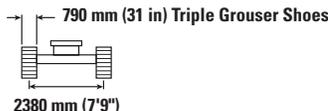
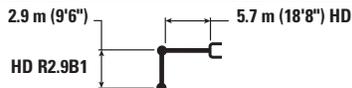
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Lift capacity stays with ±5% for all available track shoes.

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

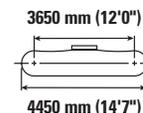
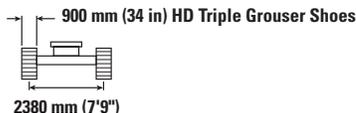
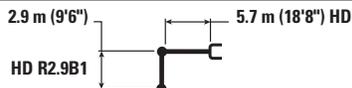
320 Hydraulic Excavator Specifications

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



Boom Length mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in	kg lb							*5350 *11,750	*5350 *11,750			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in	kg lb							*5900 *12,800	5400 11,650	*5550 *12,150	3800 8,150	*3850 *8,450	3450 7,550	7990 320
3000 mm 120 in	kg lb					*8600 *18,550	7850 16,950	*6750 *14,650	5150 11,100	5750 12,350	3700 7,950	*3950 *8,650	3150 6,900	8360 330
1500 mm 60 in	kg lb					*10450 *22,500	7350 15,800	*7700 *16,650	4900 10,550	5600 12,050	3600 7,700	*4150 *9,150	3000 6,600	8450 340
0 mm 0 in	kg lb			*6750 *15,500	*6750 *15,500	*11450 *24,750	7050 15,150	7650 16,450	4750 10,150	5500 11,850	3500 7,500	*4600 *10,150	3050 6,700	8260 330
-1500 mm -60 in	kg lb	*7200 *16,100	*7200 *16,100	*11650 *26,450	*11650 *26,450	*11550 *25,000	6950 14,950	7550 16,250	4650 10,000	5500 11,800	3450 7,450	5200 11,500	3300 7,250	7780 310
-3000 mm -120 in	kg lb	*12350 *27,750	*12350 *27,750	*15300 *33,150	13 550 29,050	*10800 *23,350	7000 15,100	7600 16,300	4700 10,100			6150 13,650	3900 8,600	6950 280
-4500 mm -180 in	kg lb			*12200 *26,100	*12200 *26,100	*8750 *18,650	7250 15,600					*6600 *14,550	5350 12,050	5600 220

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



Boom Length mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4900	*4900			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5350 *11,700	*5350 *11,700			*3900 *8,600	*3900 *8,600	7290 290
4500 mm 180 in	kg lb							*5850 *12,750	5550 11,950	*5500 *12,050	3900 8,350	*3850 *8,400	3500 7,750	7990 320
3000 mm 120 in	kg lb					*8550 *18,450	8100 17,400	*6750 *14,600	5300 11,400	*5850 12,700	3800 8,150	*3900 *8,600	3200 7,050	8360 330
1500 mm 60 in	kg lb					*10 400 *22,400	7550 16,250	*7650 *16,550	5050 10,850	5800 12,450	3700 7,900	*4150 *9,150	3100 6,800	8450 340
0 mm 0 in	kg lb			*6700 *15,450	*6700 *15,450	*11 400 *24,600	7250 15,550	7850 16,900	4850 10,450	5700 12,200	3600 7,700	*4600 *10,150	3150 6,900	8260 330
-1500 mm -60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,450	*11 650 *26,450	*11 500 *24,900	7150 15,350	7800 16,750	4750 10,250	5650 12,150	3550 7,650	5350 11,850	3400 7,450	7780 310
-3000 mm -120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 250 *33,000	13 950 29,850	*10 750 *23,200	7200 15,500	7800 16,800	4800 10,350			6350 14,100	4000 8,800	6950 280
-4500 mm -180 in	kg lb			*12 150 *26,000	*12 150 *26,000	*8700 *18,550	7450 16,000					*6600 *14,450	5500 12,350	5600 220



ISO 10567:2007



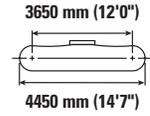
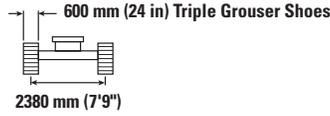
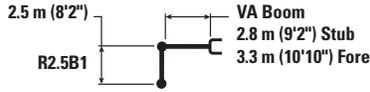
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Lift capacity stays with ±5% for all available track shoes.

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

320 Hydraulic Excavator Specifications

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



	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		*8300 *18,250	*8300 *18,250	*5700 5300					*5200 *11,550	5200 *11,550	6080 240
6000 mm 240 in	kg lb		*8900 *19,400	8550 18,400	*7450 *16,250	5350 11,450				*4750 *10,550	3850 8,600	7230 290
4500 mm 180 in	kg lb	*14 650 *31,400	*14 650 *31,400	*9950 *21,450	8000 17,250	*7800 *16,900	5150 11,050	5650 12,100	3600 7,650	*4650 *10,200	3250 7,150	7930 310
3000 mm 120 in	kg lb		*11 000 *23,750	7250 15,650	7800 16,750	4800 10,350	5500 11,850	3450 7,400		4700 10,350	2950 6,450	8300 330
1500 mm 60 in	kg lb		*11 300 *24,450	6700 14,400	7450 16,050	4550 9,750	5350 11,500	3300 7,150		4550 10,000	2800 6,200	8390 330
0 mm 0 in	kg lb		*10 400 *22,650	6450 13,900	7250 15,600	4350 9,350	5250 11,300	3250 6,950		4650 10,200	2900 6,300	8210 330
-1500 mm -60 in	kg lb		*8700 *18,950	6450 13,850	*6900 *14,900	4300 9,300	*4950 *10,350	3250 6,950		*4550 *9,950	3150 6,900	7720 310
-3000 mm -120 in	kg lb				*4850 *10,200	4400 9,500				*4300 *9,750	4050 9,150	6410 250



ISO 10567:2007



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

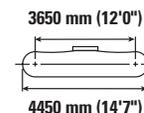
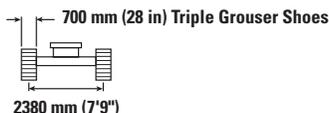
Max Length of VAB.

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



		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			*8300 *18,250	*8300 *18,250	*5700 5350				*5200 *11,550	*5200 *11,550	6080 240
6000 mm 240 in	kg lb			*8900 *19,400	8650 18,550	*7450 *16,250	5400 11,550			*4750 *10,550	3900 8,700	7230 290
4500 mm 180 in	kg lb	*14 650 *31,400	*14 650 *31,400	*9950 *21,450	8050 17,400	*7800 *16,900	5150 11,100	5700 12,200	3600 7,750	*4650 *10,200	3300 7,250	7930 310
3000 mm 120 in	kg lb			*11 000 *23,750	7300 15,800	7850 16,900	4850 10,450	5550 11,950	3500 7,500	*4700 *10,350	2950 6,550	8300 330
1500 mm 60 in	kg lb			*11 300 *24,450	6750 14,550	7550 16,200	4600 9,850	5400 11,650	3350 7,200	4600 10,100	2850 6,250	8390 330
0 mm 0 in	kg lb			*10 400 *22,650	6500 14,050	7350 15,750	4400 9,450	5300 11,450	3250 7,050	4700 10,350	2900 6,400	8210 330
-1500 mm -60 in	kg lb			*8700 *18,950	6500 14,000	*6900 *14,900	4350 9,350	*4950 *10,350	3250 7,050	*4550 *9,950	3150 6,950	7720 310
-3000 mm -120 in	kg lb					*4850 *10,200	4450 9,600			*4300 *9,750	4100 9,250	6410 250



ISO 10567:2007



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

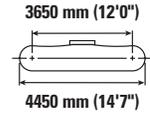
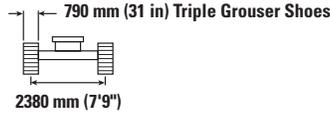
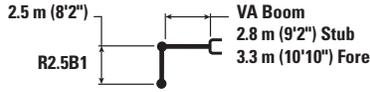
Max Length of VAB.

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



	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		*8300 *18,250	*8300 *18,250	*5700 5450					*5200 *11,550	*5200 *11,550	6080 240
6000 mm 240 in	kg lb		*8900 *19,400	8700 18,750	*7450 *16,250	5450 11,700				*4750 *10,550	3950 8,800	7230 290
4500 mm 180 in	kg lb	*14 650 *31,400	*14 650 *31,400	*9950 *21,450	8150 17,600	*7800 *16,900	5250 11,250	5750 12,350	3650 7,850	*4650 *10,200	3300 7,350	7930 310
3000 mm 120 in	kg lb		*11 000 *23,750	7400 16,000	7950 17,100	4950 10,600	5650 12,100	3550 7,600		*4700 *10,350	3000 6,600	8300 330
1500 mm 60 in	kg lb		*11 300 *24,450	6850 14,750	7650 16,400	4650 10,000	5500 11,800	3400 7,300		4650 10,250	2900 6,350	8390 330
0 mm 0 in	kg lb		*10 400 *22,650	6600 14,250	7450 16,000	4450 9,600	5400 11,600	3300 7,150		4750 10,500	2950 6,500	8210 330
-1500 mm -60 in	kg lb		*8700 *18,950	6600 14,200	*6900 *14,900	4400 9,500	*4950 *10,350	3300 7,150		*4550 *9,950	3200 7,050	7720 310
-3000 mm -120 in	kg lb				*4850 *10,200	4500 9,750				*4300 *9,750	4150 9,400	6410 250



ISO 10567:2007



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

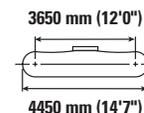
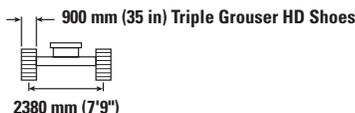
Max Length of VAB.

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



		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			*8300 *18,250	*8300 *18,250	*5700 5600				*5200 *11,550	*5200 *11,550	6080 240
6000 mm 240 in	kg lb			*8900 *19,400	*8900 19,250	*7450 *16,250	5600 12,050			*4750 *10,550	4100 9,100	7230 290
4500 mm 180 in	kg lb	*14 650 *31,400	*14 650 *31,400	*9950 *21,450	8400 18,100	*7800 *16,900	5400 11,600	5950 12,800	3800 8,100	*4650 *10,200	3450 7,600	7930 310
3000 mm 120 in	kg lb			*11 000 *23,750	7650 16,500	*8200 17,700	5100 10,950	5850 12,550	3650 7,850	*4700 *10,350	3100 6,850	8300 330
1500 mm 60 in	kg lb			*11 300 *24,450	7100 15,250	7900 17,000	4800 10,350	5700 12,200	3550 7,600	4800 10,600	3000 6,600	8390 330
0 mm 0 in	kg lb			*10 400 *22,650	6850 14,750	7700 16,550	4650 9,950	5600 12,000	3450 7,400	4950 10,850	3050 6,700	8210 330
-1500 mm -60 in	kg lb			*8700 *18,950	6850 14,700	*6900 *14,900	4600 9,850	*4950 *10,350	3450 7,400	*4550 *9,950	3350 7,300	7720 310
-3000 mm -120 in	kg lb					*4850 *10,200	4650 10,100			*4300 *9,750	4300 *9,750	6410 250



ISO 10567:2007



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

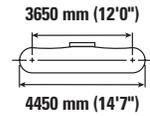
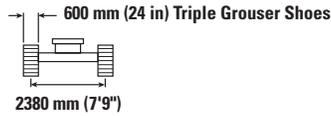
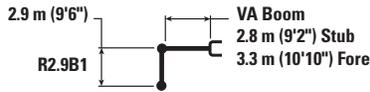
Max Length of VAB.

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



	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
												
9000 mm 360 in	kg lb		*6400 *12,450	*6400 *12,450					*5150 *11,650	*5150 *11,650	4880 190	
7500 mm 300 in	kg lb		*7050 *15,550	*7050 *15,550	*6300 *13,050	5500 11,700			*4300 *9,600	*4300 *9,600	6620 260	
6000 mm 240 in	kg lb		*7250 *15,950	*7250 *15,950	*7200 *15,650	5450 11,700	*5050 *8,950	3700 7,850	*4000 *8,800	3550 7,850	7690 300	
4500 mm 180 in	kg lb	*13 100 *25,650	*13 100 *25,650	*9500 *20,550	8200 17,650	*7550 *16,400	5200 11,200	5700 12,250	3650 7,800	*3900 *8,600	3000 6,650	8350 330
3000 mm 120 in	kg lb		*10 700 *23,100	7450 16,050	7850 16,900	4900 10,550	5550 11,900	3500 7,500	*3950 *8,650	2750 6,050	8710 350	
1500 mm 60 in	kg lb		*11 300 *24,450	6800 14,650	7500 16,150	4600 9,850	5400 11,550	3350 7,150	*4150 *9,100	2650 5,800	8790 350	
0 mm 0 in	kg lb		*10 800 *23,400	6450 13,900	7250 15,650	4350 9,400	5250 11,300	3250 6,950	4350 9,500	2700 5,850	8610 340	
-1500 mm -60 in	kg lb	*9250 *21,000	*9250 *21,000	*9350 *20,300	6400 13,750	7200 15,450	4300 9,200	5200 11,250	3200 6,850	*4450 *9,750	2900 6,350	8160 320
-3000 mm -120 in	kg lb		*7050 *15,150	6500 14,000	*5550 *11,800	4350 9,350			*3700 *8,250	3400 7,550	7300 280	



ISO 10567:2007



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

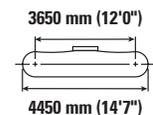
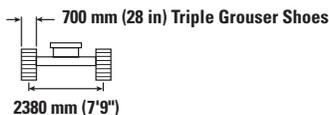
Max Length of VAB.

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



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
9000 mm 360 in	kg lb			*6400 *12,450	*6400 *12,450					*5150 *11,650	*5150 *11,650	4880 190
7500 mm 300 in	kg lb			*7050 *15,550	*7050 *15,550	*6300 *13,050	5550 11,800			*4300 *9,600	*4300 *9,600	6620 260
6000 mm 240 in	kg lb			*7250 *15,950	*7250 *15,950	*7200 *15,650	5500 11,800	*5050 *8,950	3750 7,950	*4000 *8,800	3550 7,900	7690 300
4500 mm 180 in	kg lb	*13 100 *25,650	*13 100 *25,650	*9500 *20,550	8250 17,800	*7550 *16,400	5250 11,300	5750 12,350	3650 7,850	*3900 *8,600	3050 6,700	8350 330
3000 mm 120 in	kg lb			*10 700 *23,100	7500 16,200	7950 17,100	4950 10,600	5600 12,050	3550 7,550	*3950 *8,650	2750 6,100	8710 350
1500 mm 60 in	kg lb			*11 300 *24,450	6850 14,800	7600 16,300	4600 9,950	5450 11,700	3400 7,250	*4150 *9,100	2650 5,850	8790 350
0 mm 0 in	kg lb			*10 800 *23,400	6550 14,050	7350 15,800	4400 9,500	5300 11,400	3250 7,000	4400 9,600	2700 5,950	8610 340
-1500 mm -60 in	kg lb	*9250 *21,000	*9250 *21,000	*9350 *20,300	6450 13,900	7250 15,600	4350 9,300	5250 11,350	3250 6,950	*4450 *9,750	2900 6,400	8160 320
-3000 mm -120 in	kg lb			*7050 *15,150	6550 14,150	*5550 *11,800	4400 9,450			*3700 *8,250	3450 7,600	7300 280



ISO 10567:2007



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

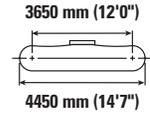
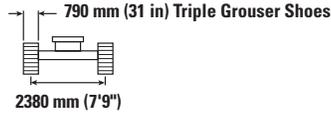
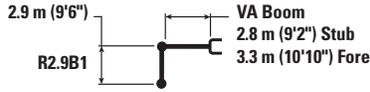
Max Length of VAB.

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



	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
												
9000 mm 360 in	kg lb		*6400 *12,450	*6400 *12,450					*5150 *11,650	*5150 *11,650	4880 190	
7500 mm 300 in	kg lb		*7050 *15,550	*7050 *15,550	*6300 *13,050	5600 11,950			*4300 *9,600	*4300 *9,600	6620 260	
6000 mm 240 in	kg lb		*7250 *15,950	*7250 *15,950	*7200 *15,650	5550 11,900	*5050 *8,950	3800 8,050	*4000 *8,800	3600 8,000	7690 300	
4500 mm 180 in	kg lb	*13 100 *25,650	*13 100 *25,650	*9500 *20,550	8350 18,000	*7550 *16,400	5300 11,450	5850 12,500	3700 7,950	*3900 *8,600	3100 6,800	8350 330
3000 mm 120 in	kg lb		*10 700 *23,100	7600 16,400	*8050 *17,300	5000 10,750	5700 12,200	3600 7,700	*3950 *8,650	2800 6,200	8710 350	
1500 mm 60 in	kg lb		*11 300 *24,450	6950 15,000	7700 16,550	4700 10,100	5500 11,850	3400 7,350	*4150 *9,100	2700 5,950	8790 350	
0 mm 0 in	kg lb		*10 800 *23,400	6650 14,250	7450 16,000	4450 9,650	5400 11,600	3300 7,100	4450 9,750	2750 6,050	8610 340	
-1500 mm -60 in	kg lb	*9250 *21,000	*9250 *21,000	*9350 *20,300	6550 14,100	*7250 *15,650	4400 9,450	5350 11,500	3250 7,050	*4450 *9,750	2950 6,500	8160 320
-3000 mm -120 in	kg lb		*7050 *15,150	6650 14,350	*5550 *11,800	4450 9,550			*3700 *8,250	3500 7,750	7300 280	



ISO 10567:2007



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

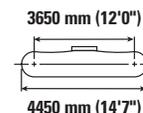
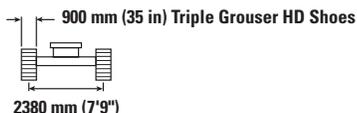
Max Length of VAB.

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



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
9000 mm 360 in	kg lb			*6400 *12,450	*6400 *12,450					*5150 *11,650	*5150 *11,650	4880 190
7500 mm 300 in	kg lb			*7050 *15,550	*7050 *15,550	*6300 *13,050	5750 12,300			*4300 *9,600	*4300 *9,600	6620 260
6000 mm 240 in	kg lb			*7250 *15,950	*7250 *15,950	*7200 *15,650	5700 12,250	*5050 *8,950	3900 8,300	*4000 *8,800	3750 8,300	7690 300
4500 mm 180 in	kg lb	*13 100 *25,650	*13 100 *25,650	*9500 *20,550	8600 18,500	*7550 *16,400	5500 11,800	6050 12,950	3850 8,250	*3900 *8,600	3200 7,050	8350 330
3000 mm 120 in	kg lb			*10 700 *23,100	7850 16,900	*8050 *17,400	5150 11,100	5900 12,600	3700 7,950	*3950 *8,650	2900 6,400	8710 350
1500 mm 60 in	kg lb			*11 300 *24,450	7200 15,500	7950 17,100	4850 10,450	5700 12,250	3550 7,600	*4150 *9,100	2800 6,150	8790 350
0 mm 0 in	kg lb			*10 800 *23,400	6850 14,800	7700 16,600	4650 10,000	5600 12,000	3450 7,400	*4500 *9,850	2850 6,250	8610 340
-1500 mm -60 in	kg lb	*9250 *21,000	*9250 *21,000	*9350 *20,300	6800 14,650	*7250 *15,650	4550 9,800	*5450 *11,550	3400 7,300	*4450 *9,750	3050 6,750	8160 320
-3000 mm -120 in	kg lb			*7050 *15,150	6900 14,850	*5550 *11,800	4600 9,900			*3700 *8,250	3600 8,000	7300 280



ISO 10567:2007



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

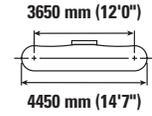
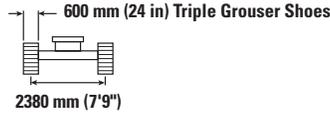
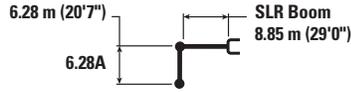
Max Length of VAB.

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											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	1200 2,650	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	3600 7,750	*1300 *2,900	1150 2,450	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	6350 13,750	*5250 *11,300	4400 9,500	*4100 *8,850	3250 7,000	*1400 *3,000	1100 2,350	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	3950 8,500	*4550 *9,800	2950 6,350	*1450 *3,200	1050 2,350	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	3650 7,900	4750 10,150	2750 5,900	*1550 *3,450	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 11,350	6350 13,600	3550 7,600	4600 9,850	2650 5,650	*1750 *3,800	1100 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	5300 11,450	6300 13,500	3500 7,500	4550 9,750	2600 5,550	*1950 *4,300	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	5450 11,700	*6150 *13,250	3550 7,600	4550 9,800	2600 5,550	*2300 *5,100	1350 2,950	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	5600 12,100	*5650 *12,150	3650 7,850	*4550 *9,750	2650 5,750	*2700 *5,950	1600 3,500	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	5900 12,750	*4850 *10,350	3850 8,300	*3900 *8,300	2800 6,050	*2700 *5,900	2000 4,550	9800 380



ISO 10567:2007



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

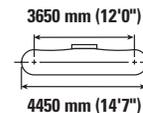
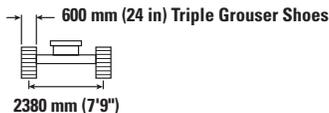
Lift capacity stays with ±5% for all available track shoes.

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

(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)



 12 000 mm 480 in kg lb	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	mm in	
12 000 mm 480 in										*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in			*2200 *4,850	*2200 *4,850						*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in			*2200 *4,800	*2200 *4,800	*2200 *4,200	1900 4,050				*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in			*2250 *4,900	*2250 *4,900	*2200 *4,850	1900 4,050				*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in			*2400 *5,200	*2400 5,100	*2300 *5,000	1850 3,950	*2100 *3,700	1450 3,000		*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	*2800 *6,050	*2800 *6,050	*2550 *5,550	2250 4,850	*2400 *5,200	1750 3,750	2300 4,850	1400 2,950		*1300 *2,800	1200 2,650	14 340 570
3000 mm 120 in	*3100 *6,750	2750 5,850	*2800 *6,000	2100 4,550	*2550 *5,500	1700 3,550	2250 4,750	1350 2,800		*1300 *2,900	1150 2,450	14 550 580
1500 mm 60 in	*3450 *7,400	2500 5,350	*3000 *6,450	2000 4,200	2600 5,600	1600 3,350	2150 4,600	1250 2,700		*1400 *3,000	1100 2,350	14 600 580
0 mm 0 in	*3700 *8,050	2300 4,950	3100 6,600	1850 3,950	2550 5,400	1500 3,200	2100 4,500	1200 2,600		*1450 *3,200	1050 2,350	14 490 570
-1500 mm -60 in	3700 7,900	2150 4,650	2950 6,350	1750 3,700	2450 5,250	1400 3,050	2050 4,400	1200 2,500		*1550 *3,450	1100 2,350	14 230 560
-3000 mm -120 in	3550 7,700	2050 4,400	2900 6,200	1650 3,550	2400 5,150	1400 2,950	2050 *4,200	1150 2,450		*1750 *3,800	1100 2,450	13 790 550
-4500 mm -180 in	3500 7,550	2000 4,300	2850 6,150	1650 3,500	2400 5,150	1350 2,900				*1950 *4,300	1200 2,650	13 170 520
-6000 mm -240 in	3550 7,600	2000 4,350	2850 6,150	1650 3,550	2400 5,200	1400 3,000				*2300 *5,100	1350 2,950	12 340 490
-7500 mm -300 in	3600 7,750	2100 4,500	2950 6,350	1700 3,700						*2700 *5,950	1600 3,500	11 240 440
-9000 mm -360 in	*3150 *6,500	2200 4,800								*2700 *5,900	2000 4,550	9800 380



ISO 10567:2007



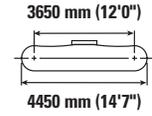
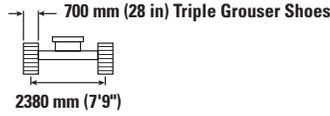
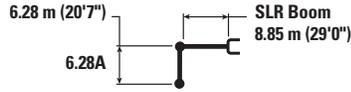
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

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											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	1200 2,650	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	1150 2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	6450 13,900	*5250 *11,300	4450 9,600	*4100 *8,850	3300 7,100	*1400 *3,000	1100 2,400	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4000 8,600	*4550 *9,800	3000 6,450	*1450 *3,200	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	3700 8,000	4800 10,300	2800 6,000	*1550 *3,450	1100 2,400	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 11,500	6400 13,750	3600 7,700	4650 10,000	2650 5,700	*1750 *3,800	1150 2,500	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5400 11,550	6350 13,650	3550 7,600	4600 9,850	2600 5,600	*1950 *4,300	1250 2,700	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	5500 11,800	*6150 *13,250	3600 7,700	4600 9,900	2600 5,650	*2300 *5,100	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	5700 12,250	*5650 *12,150	3700 7,950	*4550 *9,750	2700 5,800	*2700 *5,950	1600 3,550	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	5950 12,900	*4850 *10,350	3900 8,400	*3900 *8,300	2850 6,150	*2700 *5,900	2050 4,600	9800 380



ISO 10567:2007



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

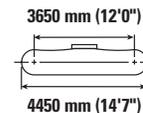
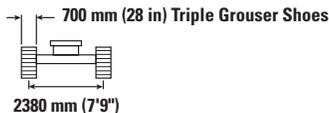
Lift capacity stays with ±5% for all available track shoes.

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

(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										*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in			*2200 *4,850	*2200 *4,850						*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in			*2200 *4,800	*2200 *4,800	*2200 *4,200	1950 4,100				*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in			*2250 *4,900	*2250 *4,900	*2200 *4,850	1900 4,100				*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in			*2400 *5,200	*2400 5,150	*2300 *5,000	1850 3,950	*2100 *3,700	1450 3,050		*1250 *2,750	1250 *2,750	13 970 550
4500 mm 180 in	*2800 *6,050	*2800 *6,050	*2550 *5,550	2300 4,900	*2400 *5,200	1800 3,800	*2300 4,900	1400 2,950		*1300 *2,800	1200 2,650	14 340 570
3000 mm 120 in	*3100 *6,750	2750 5,900	*2800 *6,000	2150 4,600	*2550 *5,500	1700 3,600	2250 4,800	1350 2,850		*1300 *2,900	1150 2,500	14 550 580
1500 mm 60 in	*3450 *7,400	2550 5,450	*3000 *6,450	2000 4,250	2650 5,650	1600 3,400	2200 4,700	1300 2,750		*1400 *3,000	1100 2,400	14 600 580
0 mm 0 in	*3700 *8,050	2350 5,000	3100 6,700	1850 4,000	2550 5,450	1500 3,200	2150 4,550	1250 2,600		*1450 *3,200	1100 2,350	14 490 570
-1500 mm -60 in	3700 8,000	2200 4,700	3000 6,450	1750 3,750	2500 5,300	1450 3,050	2100 4,450	1200 2,550		*1550 *3,450	1100 2,400	14 230 560
-3000 mm -120 in	3600 7,750	2100 4,500	2950 6,300	1700 3,600	2450 5,200	1400 3,000	2050 *4,200	1200 2,500		*1750 *3,800	1150 2,500	13 790 550
-4500 mm -180 in	3550 7,650	2050 4,400	2900 6,200	1650 3,550	2400 5,200	1400 2,950				*1950 *4,300	1250 2,700	13 170 520
-6000 mm -240 in	3550 7,700	2050 4,400	2900 6,250	1650 3,600	2450 5,300	1400 3,050				*2300 *5,100	1350 3,000	12 340 490
-7500 mm -300 in	3650 7,850	2100 4,550	2950 6,400	1750 3,750						*2700 *5,950	1600 3,550	11 240 440
-9000 mm -360 in	*3150 *6,500	2250 4,850								*2700 *5,900	2050 4,600	9800 380



ISO 10567:2007



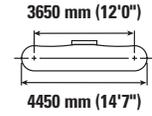
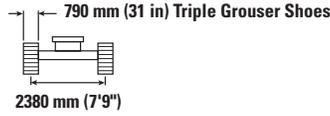
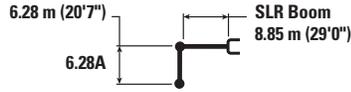
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Lift capacity stays with ±5% for all available track shoes.

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											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											1350 *2,950	1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	1250 2,700	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	1150 2,550	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	6500 14,100	*5250 *11,300	4500 9,700	*4100 *8,850	3350 7,200	*1400 *3,000	1150 2,450	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4050 8,750	*4550 *9,800	3050 6,550	*1450 *3,200	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	3800 8,150	*4850 *10,450	2850 6,100	*1550 *3,450	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 11,700	*6400 *13,900	3650 7,850	4750 10,150	2700 5,800	*1750 *3,800	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	5500 11,750	*6400 *13,800	3600 7,750	4650 10,050	2650 5,700	*1950 *4,300	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	5600 12,000	*6150 *13,250	3650 7,850	4700 10,050	2650 5,750	*2300 *5,100	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	5800 12,450	*5650 *12,150	3750 8,100	*4550 *9,750	2750 5,900	*2700 *5,950	1650 3,650	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	6050 *13,100	*4850 *10,350	3950 8,500	*3900 *8,300	2900 6,250	*2700 *5,900	2050 4,650	9800 380



ISO 10567:2007



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

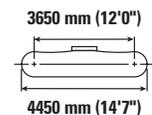
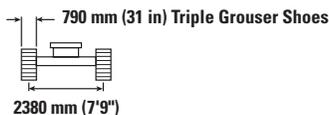
Lift capacity stays with ±5% for all available track shoes.

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

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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	
	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										*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in			*2200 *4,850	*2200 *4,850						1350 *2,950	1350 *2,950	11 660 460
9000 mm 360 in			*2200 *4,800	*2200 *4,800	*2200 *4,200	1950 4,150				*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in			*2250 *4,900	*2250 *4,900	*2200 *4,850	1950 4,150				*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in			*2400 *5,200	*2400 *5,200	*2300 *5,000	1900 4,050	*2100 *3,700	1450 3,100		*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	2300 4,950	*2400 *5,200	1800 3,850	*2300 5,000	1450 3,000	*1300 *2,800	1250 2,700	14 340 570
3000 mm 120 in	kg lb	*3100 *6,750	2800 6,000	*2800 *6,000	2200 4,650	*2550 *5,500	1700 3,650	2300 4,900	1350 2,900	*1300 *2,900	1150 2,550	14 550 580
1500 mm 60 in	kg lb	*3450 *7,400	2550 5,500	*3000 *6,450	2050 4,350	*2700 5,750	1650 3,450	2250 4,750	1300 2,800	*1400 *3,000	1150 2,450	14 600 580
0 mm 0 in	kg lb	*3700 *8,050	2400 5,100	*3150 6,800	1900 4,050	2600 5,550	1550 3,300	2150 4,650	1250 2,650	*1450 *3,200	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	3800 8,150	2250 4,750	3050 6,550	1800 3,850	2500 5,400	1450 3,150	2150 4,550	1200 2,600	*1550 *3,450	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	3700 7,900	2150 4,550	3000 6,400	1700 3,700	2500 5,300	1400 3,050	2100 *4,200	1200 2,550	*1750 *3,800	1150 2,550	13 790 550
-4500 mm -180 in	kg lb	3650 7,800	2100 4,450	2950 6,300	1700 3,600	2450 5,300	1400 3,000			*1950 *4,300	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	3650 7,800	2100 4,500	2950 6,350	1700 3,650	2500 5,350	1450 3,100			*2300 *5,100	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	3700 7,950	2150 4,600	3000 *6,450	1750 3,800					*2700 *5,950	1650 3,650	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,500	2300 4,950							*2700 *5,900	2050 4,650	9800 380



ISO 10567:2007



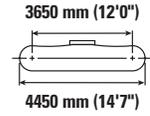
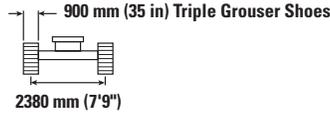
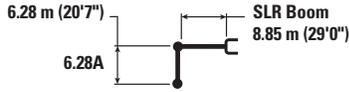
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Lift capacity stays with ±5% for all available track shoes.

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	
	kg lb	kg lb	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	kg lb											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	1250 2,700	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	*6750 *14,600	*5250 *11,300	4650 10,050	*4100 *8,850	3450 7,450	*1400 *3,000	1200 2,600	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4200 9,100	*4550 *9,800	3150 6,800	*1450 *3,200	1150 2,550	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	3950 8,500	*4850 *10,450	2950 6,350	*1550 *3,450	1200 2,550	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,700	*6400 *13,900	3800 8,200	4900 10,600	2850 6,100	*1750 *3,800	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	5700 12,300	*6400 *13,800	3750 8,100	4850 10,450	2800 6,000	*1950 *4,300	1300 2,900	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	5850 12,550	*6150 *13,250	3800 8,200	4900 10,500	2800 6,000	*2300 *5,100	1450 3,250	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	6000 12,950	*5650 *12,150	3900 8,450	*4550 *9,750	2850 6,200	*2700 *5,950	1700 3,800	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	*6150 *13,100	*4850 *10,350	4100 8,850	*3900 *8,300	3000 6,500	*2700 *5,900	2150 4,850	9800 380



ISO 10567:2007



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

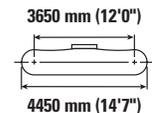
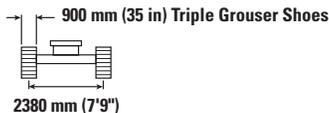
Lift capacity stays with ±5% for all available track shoes.

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

(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									*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	2050 *4,200			*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	2000 4,300			*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb			*2400 *5,200	*2400 *5,200	*2300 *5,000	1950 4,200	*2100 *3,700	1550 3,250	*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb	*2800 *6,050	*2800 6,050	*2550 *5,550	2400 5,150	*2400 *5,200	1900 4,000	*2300 *5,000	1500 3,150	*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb	*3100 *6,750	2900 6,200	*2800 *6,000	2250 4,850	*2550 *5,500	1800 3,800	*2400 5,100	1450 3,050	*1300 *2,900	1250 2,700	14 550 580
1500 mm 60 in	kg lb	*3450 *7,400	2650 5,750	*3000 *6,450	2100 4,500	*2700 *5,800	1700 3,600	2300 4,950	1400 2,900	*1400 *3,000	1200 2,600	14 600 580
0 mm 0 in	kg lb	*3700 *8,050	2500 5,300	*3200 *6,900	2000 4,250	2700 5,800	1600 3,450	2250 4,850	1300 2,800	*1450 *3,200	1150 2,550	14 490 570
-1500 mm -60 in	kg lb	3950 8,450	2350 5,000	3200 6,850	1900 4,000	2650 5,650	1550 3,300	2200 4,750	1300 2,750	*1550 *3,450	1200 2,550	14 230 560
-3000 mm -120 in	kg lb	3850 8,250	2250 4,800	3100 6,650	1800 3,850	2600 5,550	1500 3,200	2200 *4,200	1250 2,700	*1750 *3,800	1250 2,700	13 790 550
-4500 mm -180 in	kg lb	3800 8,150	2200 4,700	3050 6,600	1750 3,800	2550 5,500	1500 3,150			*1950 *4,300	1300 2,900	13 170 520
-6000 mm -240 in	kg lb	3800 8,150	2200 4,700	3100 6,650	1800 3,850	2600 5,600	1500 3,250			*2300 *5,100	1450 3,250	12 340 490
-7500 mm -300 in	kg lb	*3750 *7,950	2250 4,850	*3050 *6,450	1850 4,000					*2700 *5,950	1700 3,800	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,500	2400 5,150							*2700 *5,900	2150 4,850	9800 380



ISO 10567:2007



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

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

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

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		HD Reach Boom		VA Boom		SLR Boom
									R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD 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	
	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, A	900	36	0.53	0.69	403	888	100							◇
Ditch Cleaning	312, A	1200	48	0.57	0.74	386	851	100							◇
Maximum load with pin-on (payload + bucket)								kg	3235	3010	3135	2925	2705	2520	800
								lb	7,132	6,636	6,911	6,449	5,964	5,556	1,764

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/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						
		mm	in	m ³	yd ³	kg	lb		%	Reach Boom		HD Reach Boom		VA Boom	
										R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
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	○	○	○	◇	◇	◇	
	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	2715	2503	2328	2139	
								lb	6,311	5,811	5,986	5,519	5,132	4,716	

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/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					
		mm	in	m ³	yd ³	kg	lb		Reach Boom		HD Reach Boom		VA Boom	
									R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
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	2887	2675	2499	2311
								lb	6,690	6,190	6,365	5,897	5,510	5,094
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	2906	2694	2474	2289
								lb	6,623	6,127	6,407	5,939	5,454	5,046

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007. Bucket weight with General Duty tips.

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.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³) ◇ 900 kg/m³ (1,500 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³) X Not Recommended

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility (continued)

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight					
		mm	in	m ³	yd ³	kg	lb		Reach Boom		HD Reach Boom		VA Boom	
									R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Pin-on, TRS20 S70														
Heavy Duty	B	1600	63	1.00	1.31	691	1,523	100	☉	☹	☹	☹	○	◇
	B	1800	71	1.10	1.44	758	1,671	100	☹	○	☹	○	◇	◇
	B	1150	45	0.90	1.18	778	1,715	100	☉	☹	☉	☹	○	◇
	B	1280	49	1.10	1.44	850	1,874	100	☹	○	○	○	◇	X
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	●
Maximum load with pin-on (payload + bucket)								kg	2480	2255	2380	2170	1950	1765
								lb	5,467	4,971	5,247	4,784	4,299	3,891
S70, TRS20 S70														
Heavy Duty	B	1600	63	1.00	1.31	691	1,523	100	☹	○	○	○	◇	X
	B	1800	71	1.10	1.44	758	1,671	100	○	◇	○	◇	X	X
	B	1150	45	0.90	1.18	778	1,715	100	☹	○	☹	○	◇	X
	B	1280	49	1.10	1.44	850	1,874	100	○	◇	◇	◇	X	X
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	☉
Maximum load with pin-on (payload + bucket)								kg	2198	1973	2098	1888	1668	1483
								lb	4,846	4,350	4,625	4,162	3,677	3,269
S70, TRS20 S70 - GM														
Heavy Duty	B	1600	63	1.00	1.31	691	1,523	100	○	○	○	◇	◇	X
	B	1800	71	1.10	1.44	758	1,671	100	○	◇	◇	◇	X	X
	B	1150	45	0.90	1.18	778	1,715	100	☹	○	○	◇	◇	X
	B	1280	49	1.10	1.44	850	1,874	100	◇	◇	◇	X	X	X
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	☉	☹
Maximum load with pin-on (payload + bucket)								kg	2079	1854	1979	1769	1549	1364
								lb	4,583	4,087	4,363	3,900	3,415	3,007
Pin-on, TRS20 HCS70														
Heavy Duty	B	1600	63	1.00	1.31	691	1,523	100	☉	☹	☹	☹	○	◇
	B	1800	71	1.10	1.44	758	1,671	100	☹	○	☹	○	◇	◇
	B	1150	45	0.90	1.18	778	1,715	100	☉	☹	☉	☹	○	◇
	B	1280	49	1.10	1.44	850	1,874	100	☹	○	○	○	◇	X
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	●
Maximum load with pin-on (payload + bucket)								kg	2457	2232	2357	2147	1927	1742
								lb	5,417	4,921	5,196	4,733	4,248	3,840

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007. Bucket weight with General Duty tips.

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.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)
- ☉ 1800 kg/m³ (3,000 lb/yd³) ◇ 900 kg/m³ (1,500 lb/yd³)
- ☹ 1500 kg/m³ (2,500 lb/yd³) X Not Recommended

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility (continued)

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight					
		mm	in	m ³	yd ³	kg	lb		Reach Boom		HD Reach Boom		VA Boom	
									R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
HCS70, TRS20 HCS70														
Heavy Duty	B	1600	63	1.00	1.31	691	1,523	100	○	○	○	◇	◇	X
	B	1800	71	1.10	1.44	758	1,671	100	○	◇	◇	◇	X	X
	B	1150	45	0.90	1.18	778	1,715	100	⊖	○	○	◇	◇	X
	B	1280	49	1.10	1.44	850	1,874	100	◇	◇	◇	X	X	X
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	⊖
Maximum load with pin-on (payload + bucket)								kg	2098	1873	1998	1788	1568	1383
								lb	4,625	4,129	4,405	3,942	3,457	3,049
HCS70, TRS20 S70														
Heavy Duty	B	1600	63	1.00	1.31	691	1,523	100	⊖	○	○	◇	◇	X
	B	1800	71	1.10	1.44	758	1,671	100	○	◇	○	◇	X	X
	B	1150	45	0.90	1.18	778	1,715	100	⊖	○	○	○	◇	X
	B	1280	49	1.10	1.44	850	1,874	100	○	◇	◇	◇	X	X
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	⊙
Maximum load with pin-on (payload + bucket)								kg	2121	1896	2021	1811	1591	1406
								lb	4,676	4,180	4,456	3,993	3,508	3,100
Pin-on, TRS20 HCS70/55														
Heavy Duty	B	1600	63	1.00	1.31	694	1,530	100	⊖	⊖	⊖	○	○	◇
	B	1800	71	1.10	1.44	761	1,678	100	⊖	○	○	○	◇	X
	B	600	24	0.55	0.72	482	1,063	100	●	●	●	●	●	●
	B	1150	45	0.90	1.18	774	1,706	100	⊙	⊖	⊖	⊖	○	◇
	B	1280	49	1.10	1.44	846	1,865	100	○	○	○	◇	◇	X
Maximum load with pin-on (payload + bucket)								kg	2390	2165	2290	2080	1860	1675
								lb	5,269	4,773	5,049	4,586	4,101	3,693
HCS70/55, TRS20 HCS70/55														
Heavy Duty	B	1600	63	1.00	1.31	694	1,530	100	○	◇	○	◇	X	X
	B	1800	71	1.10	1.44	761	1,678	100	◇	◇	◇	X	X	X
	B	600	24	0.55	0.72	482	1,063	100	●	●	●	●	⊙	⊖
	B	1150	45	0.90	1.18	774	1,706	100	○	◇	○	◇	X	X
	B	1280	49	1.10	1.44	846	1,865	100	◇	X	◇	X	X	X
Maximum load with pin-on (payload + bucket)								kg	2004	1779	1904	1694	1474	1289
								lb	4,418	3,922	4,198	3,735	3,250	2,842
HCS70/55, TRS20 S70/55														
Heavy Duty	B	1600	63	1.00	1.31	694	1,530	100	○	○	○	◇	◇	X
	B	1800	71	1.10	1.44	761	1,678	100	○	◇	◇	◇	X	X
	B	600	24	0.55	0.72	482	1,063	100	●	●	●	●	⊙	⊖
	B	1150	45	0.90	1.18	774	1,706	100	⊖	○	○	◇	◇	X
	B	1280	49	1.10	1.44	846	1,865	100	◇	◇	◇	X	X	X
Maximum load with pin-on (payload + bucket)								kg	2088	1863	1988	1778	1558	1373
								lb	4,603	4,107	4,383	3,920	3,435	3,027

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³) ◇ 900 kg/m³ (1,500 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³) X Not Recommended

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007. Bucket weight with General Duty tips.

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

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

Match
 * Working range front only
 † Allowed usage on machine less than 50%
 No Match

PIN-ON ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type	Stick Length	Reach		HD Reach		VA	
		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓	✓	✓
	H130 GC S	✓†		✓	✓	✓†	
	H130 S	✓	✓†	✓	✓	✓	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓	✓
	MP318 Demolition Jaw	✓	✓	✓	✓	✓	✓
	MP318 Pulverizer Jaw	✓	✓	✓	✓	✓	✓
	MP318 Shear Jaw	✓	✓	✓	✓	✓	✓
	MP318 Tank Shear Jaw	✓	✓	✓	✓	✓	✓
	MP318 Universal Jaw	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓
	G318	✓	✓	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓	✓	✓
	G318 WH-1100	✓	✓	✓	✓	✓	✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓	✓	✓	✓*	
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓	✓	✓
	P318 Primary Pulverizer	✓	✓	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

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320 Hydraulic Excavator Specifications

Attachments Offering Guide (continued)

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

1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)
 600 kg/m³ (1,000 lb/yd³)
 No Match

PIN-ON ATTACHMENTS (continued)

Counterweight		4.2 mt (9,300 lb)						
Boom Type		Reach		HD Reach		VA		
		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")	
Stick Length	Orange Peel Grapples							
	GSH420-500	●	●	●	●	●	●	
	GSH420-600	●	●	●	●	●	●	
	GSH420-750	●	●	●	●	●	○	
	GSH425-750	●	○	●	○	○	○	
	GSH425-950	○	○	○	○			
	GSH425-1150	○		○	◇			
	GSH520-500	●	●	●	●	●	●	
	GSH520-600	●	●	●	●	●	●	
	GSH520-750	●	●	●	●	○	○	
	GSH525-750	○	○	○	○			
	GSH525-950			○	◇			
	GSH525-1150			◇	◇			
	GSV420-400	●	●	●	●	●	●	
	GSV420-500	●	●	●	●	●	●	
	GSV420-600	●	●	●	●	●	●	
	GSV420-750	●	●	●	●	●	●	
	GSV420-1250	◇	◇	◇	◇	◇	◇	
	GSV425-600	●	●	●	●	●	○	
	GSV425-750	●	○	●	○	○	○	
	GSV425-950	○	○	○	○			
	GSV425-1150	○		○	◇			
	GSV425-1550	◇	◇	◇	◇	◇		
	GSV520 GC-400	●	●	●	●	●	●	
	GSV520 GC-500	●	●	●	●	●	●	
	GSV520 GC-600	●	●	●	●	●	●	
	GSV520 GC-750	●	●	●	●	●	○	
	GSV520 GC-1250	◇	◇	◇	◇	◇	◇	
	GSV520-400	●	●	●	●	●	●	
	GSV520-500	●	●	●	●	●	●	
	GSV520-600	●	●	●	●	●	●	
	GSV520-750	●	●	●	●	●	○	
	GSV520-1250	◇	◇	◇	◇	◇	◇	
	GSV525-600	●	●	●	●	○	○	
	GSV525-750	○	○	○	○			
	GSV525-950	○		○	◇			
	GSV525-1150			◇	◇			
	GSV525-1550	◇		◇				
	Clamshell Grapples	CTV15-1000	○	○	●	○	○	○
		CTV15-1200	○	○	○	○		

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320 Hydraulic Excavator Specifications

Attachments Offering Guide (continued)

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

Match
 * Working range front only
 † Allowed usage on machine less than 50%
 No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type		Reach		HD Reach		VA	
Stick Length		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓†	✓†
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 GC S	✓†	✓†	✓	✓*		
	H130 S	✓†	✓†	✓	✓	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓*	
	MP318 Demolition Jaw	✓	✓	✓	✓	✓*	
	MP318 Pulverizer Jaw	✓	✓*	✓	✓*		
	MP318 Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Tank Shear Jaw	✓	✓	✓	✓*		
	MP318 Universal Jaw	✓	✓	✓	✓	✓*	
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓
	G318	✓	✓	✓	✓	✓*	
	G318 WH-800	✓	✓	✓	✓	✓	✓*
	G318 WH-1100	✓	✓*	✓			
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓*	✓			
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓*		
	P318 Primary Pulverizer	✓	✓	✓	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

CW-40s DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type		Reach		HD Reach		VA	
Stick Length		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓†	✓†
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 S	✓†	✓†	✓	✓	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Demolition Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Pulverizer Jaw	✓	✓	✓	✓	✓*	
	MP318 Shear Jaw	✓	✓	✓	✓	✓	✓
	MP318 Tank Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Universal Jaw	✓	✓	✓	✓	✓	✓*
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓
	G318	✓	✓	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓	✓	✓
	G318 WH-1100	✓	✓	✓	✓	✓*	
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓	✓	✓*		
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓	✓*	
	P318 Primary Pulverizer	✓	✓	✓	✓	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

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320 Hydraulic Excavator Specifications

Attachments Offering Guide (continued)

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

Match
 * Working range front only
 † Allowed usage on machine less than 50%
 No Match

CW-40 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type		Reach		HD Reach		VA	
Stick Length		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓†	✓†
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 GC S	✓†	✓†	✓	✓		
	H130 S	✓†	✓†	✓	✓	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Demolition Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Pulverizer Jaw	✓	✓	✓	✓	✓*	
	MP318 Shear Jaw	✓	✓	✓	✓	✓	✓
	MP318 Tank Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Universal Jaw	✓	✓	✓	✓	✓	✓*
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓
	G317 GC Fixed CAN	✓	✓	✓	✓	✓	✓
	G318	✓	✓	✓	✓	✓	✓
	G318 Fixed CAN	✓	✓	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓	✓	✓
	G318 WH-1100	✓	✓	✓	✓	✓*	
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓	✓	✓*		
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓	✓*	
	P318 Primary Pulverizer	✓	✓	✓	✓	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

HCCW40 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type		Reach		HD Reach		VA	
Stick Length		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓†	✓†
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 GC S	✓†	✓†*	✓	✓*		
	H130 S	✓†	✓†	✓	✓	✓†	✓†*
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓*	
	MP318 Demolition Jaw	✓	✓	✓	✓	✓*	
	MP318 Pulverizer Jaw	✓	✓*	✓	✓*		
	MP318 Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Tank Shear Jaw	✓	✓*	✓	✓*		
	MP318 Universal Jaw	✓	✓	✓	✓*		
Demolition & Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓*
	G318	✓	✓	✓	✓	✓*	
	G318 WH-800	✓	✓	✓	✓	✓*	
	G318 WH-1100	✓	✓*	✓*			
Mobile Scrap & Demolition Shears	S3025 Flat Top	✓*		✓*			
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓*		
	P318 Primary Pulverizer	✓	✓*	✓	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

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320 Hydraulic Excavator Specifications

Attachments Offering Guide (continued)

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

Match
 * Working range front only
 † Allowed usage on machine less than 50%
 No Match

S70 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type		Reach		HD Reach		VA	
Stick Length		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 GC S	✓†	✓†	✓	✓	✓†	✓†
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 S	✓†	✓†	✓	✓	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Demolition Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Pulverizer Jaw	✓	✓	✓	✓	✓*	
	MP318 Shear Jaw	✓	✓	✓	✓	✓	✓*
	MP318 Tank Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Universal Jaw	✓	✓	✓	✓	✓	✓*
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓
	G318	✓	✓	✓	✓	✓	✓*
	G318 WH-800	✓	✓	✓	✓	✓	✓*
	G318 WH-1100	✓	✓	✓	✓*		
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓*	✓	✓*		
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓	✓*	
	P318 Primary Pulverizer	✓	✓	✓	✓	✓*	
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

HCS70 COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type		Reach		HD Reach		VA	
Stick Length		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 S	✓†	✓†	✓	✓	✓†	✓†
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓*	
	MP318 Demolition Jaw	✓	✓	✓	✓	✓*	
	MP318 Pulverizer Jaw	✓	✓	✓	✓*		
	MP318 Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Tank Shear Jaw	✓	✓	✓	✓*		
	MP318 Universal Jaw	✓	✓	✓	✓	✓*	
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓*
	G318	✓	✓	✓	✓	✓*	
	G318 WH-800	✓	✓	✓	✓	✓*	
	G318 WH-1100	✓	✓*	✓*			
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓		✓*			
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓*		
	P318 Primary Pulverizer	✓	✓	✓	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓	✓

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

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

Match
 * Working range front only
 † Allowed usage on machine less than 50%
 No Match

HCS70/55 COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)					
Boom Type	Stick Length	Reach		HD Reach		VA	
		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓	✓
	H120 S	✓†	✓†	✓	✓	✓†	✓†
	H130 S	✓†	✓†	✓	✓	✓†	✓†*
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓	✓*	
	MP318 Demolition Jaw	✓	✓	✓	✓	✓*	
	MP318 Pulverizer Jaw	✓	✓*	✓	✓*		
	MP318 Shear Jaw	✓	✓	✓	✓	✓*	
	MP318 Tank Shear Jaw	✓	✓*	✓	✓*		
	MP318 Universal Jaw	✓	✓	✓	✓*		
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓	✓*
	G318	✓	✓	✓	✓	✓*	
	G318 WH-800	✓	✓	✓	✓	✓*	
	G318 WH-1100	✓	✓*	✓*			
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓*		✓*			
Pulverizers	P218 Secondary Pulverizer	✓	✓*	✓	✓*		
	P318 Primary Pulverizer	✓	✓*	✓	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓*	✓*	✓	✓
Rotary Cutters	RC20	✓	✓	✓*	✓*	✓	✓

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide (continued)

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

<input checked="" type="checkbox"/> Match	<input type="checkbox"/> * Working range front only	<input type="checkbox"/> † Allowed usage on machine less than 50%	<input type="checkbox"/> No Match
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TRS20 (HCS70 TOP / HCS70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight

4.2 mt (9,300 lb)

Boom Type		Reach		HD Reach		VA	
		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Stick Length	Hydraulic Hammers						
		H115 GC S	✓	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓	✓
		H120 GC S	✓†	✓†	✓	✓	✓†*
	H120 S	✓†	✓†	✓	✓	✓†*	
Demolition and Sorting Grapples	G217 GC	✓	✓	✓	✓	✓*	

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

The TRS18 has been replaced by TRS20. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

TRS20 (S70 TOP / S70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight

4.2 mt (9,300 lb)

Boom Type		Reach		HD Reach		VA	
		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Stick Length	Hydraulic Hammers						
		H115 GC S	✓	✓	✓	✓	✓*
		H115 S	✓	✓	✓	✓	✓
		H120 GC S	✓†	✓†*	✓	✓*	
	H120 S	✓†	✓†*	✓	✓*		
Demolition and Sorting Grapples	G217 GC	✓	✓*	✓			

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

The TRS18 has been replaced by TRS20. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

TRS20 (PIN-ON TOP / S70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight

4.2 mt (9,300 lb)

Boom Type		Reach		HD Reach		VA	
		R2.5 (8'2")	R2.9 (9'6")	HD R2.5 (8'2")	HD R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")
Stick Length	Hydraulic Hammers						
							✓†*
	H120 S						
Demolition and Sorting Grapples	G217 GC	✓	✓	✓	✓	✓*	

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

The TRS18 has been replaced by TRS20. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

BOOM-MOUNT ATTACHMENTS

Counterweight

4.2 mt (9,300 lb)

Boom Type		Reach	HD Reach	VA
Mobile Scrap and Demolition Shears	S2050	✓	✓	
	S3035 Flat Top	✓	✓	✓

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
BOOM, STICKS AND LINKAGES			ELECTRICAL SYSTEM		
5.7 m (18'8") Reach boom		✓	1,000 CCA maintenance-free batteries (×2)	✓	
HD 5.7 m (18'8") Reach boom		✓	Centralized electrical disconnect switch	✓	
2.8 m (9'2") Stub + 3.3 m (10'10") Fore, VA boom		✓	Programmable time-delay LED working lights	✓	
8.85 m (29'0") Super Long Reach boom		✓	LED chassis light, left hand (LH) and right hand (RH) boom lights	✓	
2.5 m (8'2") Reach stick		✓	Premium surround lighting package		✓
2.9 m (9'6") Reach stick		✓	ENGINE		
HD 2.5 m (8'2") Reach stick		✓	Cat C4.4 twin turbo diesel engine	✓	
HD 2.9 m (9'6") Reach stick		✓	Three selectable power modes: Power, Smart, Eco	✓	
6.28 m (20'7") Super Long Reach stick		✓	Auto engine speed control	✓	
Bucket linkage, B1-family with lifting eye		✓	Auto engine idle shutdown	✓	
Bucket linkage, A-family without lifting eye		✓	Work up to 3000 m (9,840 ft) above sea level without engine power derating	✓	
CAT TECHNOLOGY			52° C (125° F) high-ambient cooling capacity	✓	
Cat Equipment Management:			-32° C (-25° F) cold start capability	✓	
VisionLink™	✓ ¹		Double element air filter with integrated precleaner	✓	
Remote Flash	✓		Electric fuel priming pump	✓	
Remote Troubleshoot	✓		Electric cooling fans with auto-reverse function	✓	
Work tool recognition and tracking (PL161)	✓		¹ Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details. ² VisionLink subscription required for back office reporting. Consult your Cat dealer for details. ³ Optional on machines equipped with a Super Long Reach boom and stick. ⁴ VisionLink subscription required. Consult your Cat dealer for details. ⁵ Not available for VA Boom.		
Operator Coaching		✓ ²	<i>(continued on next page)</i>		
Cat Grade:					
Cat Grade with 2D	✓ ³				
Cat Grade with 2D with Attachment Ready Option (ARO)		✓			
Laser catcher		✓			
Cat Grade with 3D (single or dual GNSS)		✓			
Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓				
Cat Grade 3D Ready		✓			
Cat Grade Connectivity		✓ ⁴			
Cat Assist: ³					
Grade Assist	✓				
Boom Assist	✓				
Bucket Assist	✓				
Swing Assist	✓				
Lift Assist	✓ ⁵				
Cat Payload: ³					
On-the-go weighing	✓				
Semiautomatic calibration	✓				
Payload/cycle information	✓				
VisionLink back office reporting		✓ ⁴			
Cat Advanced Payload:					
Daily totals		✓			
Custom lists		✓			
Smart weight target		✓			
E-ticket integration		✓ ⁴			
Other:					
Cat Tiltrotator (TRS) integration		✓			

Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
HYDRAULIC SYSTEM			SERVICE AND MAINTENANCE		
Boom and stick regeneration circuits	✓		Scheduled Oil Sampling (S·O·S SM) ports	✓	
Electronic main control valve	✓		QuickEvac TM maintenance ready		✓
Auto Dig Boost	✓ ⁶		Grouped location for engine oil and fuel filters	✓	
Auto heavy lift	✓ ⁷		Ground-level second dipstick for engine oil	✓	
Auto warm up	✓		Radiator screen		✓
Auto two-speed travel	✓		Integrated vehicle health management system	✓	
Boom and stick drift reduction valve	✓		UNDERCARRIAGE AND STRUCTURES		
Element type main hydraulic filter	✓		600 mm (24 in) triple grouser track shoes		✓
Slider joysticks	✓		700 mm (28 in) triple grouser track shoes		✓
Tandem type electronic main pump	✓		790 mm (31 in) triple grouser track shoes		✓
Medium pressure auxiliary circuit		✓	900 mm (35 in) HD triple grouser track shoes		✓
Hydraulic efficiency monitoring		✓	Tie-down points on base frame	✓	
Advanced tool control		✓	Segmented track guiding guards	✓	
Quick coupler circuit for Cat pin grabber		✓	Full-length track guiding guards		✓
SmartBoom TM		✓	Bottom guards	✓	
SAFETY AND SECURITY			HD bottom guards		✓
Cat Command (remote control)		✓	Swivel guard	✓	
2D E-Fence:	✓ ³		Travel motor guards	✓	
– E-ceiling			HD travel motor guards		✓
– E-floor			Grease lubricated track links	✓	
– E-swing			4.2 mt (9,300 lb) counterweight		✓
– E-wall			4.7 mt (10,400 lb) counterweight for SLR		✓
– E-cab avoidance			Semi-HD swing frame	✓	
Beacon flash function with E-fence		✓ ⁸	Standard base frame with HD track rollers and standard carrier rollers	✓	
Auto hammer stop	✓		Final drives and travel motors compatible with bio-oil	✓	
Rearview and right-side-view cameras	✓				
360° visibility		✓			
Neutral lever (lock out) for all controls	✓				
Anti-skid plate and countersunk bolts on service platform	✓				
Ground-level accessible secondary engine shutoff switch in cab	✓				
Lockable disconnect switch	✓				
Swing alarm		✓			
Travel alarm		✓			
RH handrail and handhold	✓				
Inspection lighting		✓			

³Optional on machines equipped with a Super Long Reach boom and stick.

⁶Requires heavy lift valve; not available for Super Long Reach or VA Boom.

⁷Not available for Super Long Reach.

⁸UK only.

320 Cab Options

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Rain protector plus cab light cover
- Laminated P5A glass front windshield
- LH/RH electrical pedal for tool control
- Armrest kit
- Seat with 4-point seatbelt capability
- Dual exit rear window kit
- 75 mm (3") retractable seat belt
- Auxiliary relay

ELECTRICAL

- Premium surround working lights

GUARDS

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

MAINTENANCE

- Jump start wiring
- Duct ready kit

SAFETY AND SECURITY

- Cat Detect – People Detection
- Cat Command – Remote control kit
- Seat belt indicator
- Bluetooth® receiver
- Bluetooth key fob

OTHER ATTACHMENTS

- Delayed engine shutdown kit
- Upper cover for antennae
- Removable mast for antennae
- Power clam kit
- Grease gun holder

Cab Options

	Deluxe	Premium (2 piece windshield)	Premium (1 piece windshield)
Rollover Protective Structure (ROPS)	●	●	●
Operator Protective Guard (OPG)	○	○	○
High-resolution 254 mm (10") LCD touchscreen monitor	●	●	●
Auto bi-level air conditioner	●	●	●
Jog dial and shortcut keys for monitor control	●	●	●
Keyless push-to-start engine control	●	●	●
Height-adjustable console	●	●	●
Tilt-up left-side console	●	●	●
Heated air-suspension seat	●	X	X
Heated and ventilated air-suspension seat	X	●	●
51 mm (2") seat belt	●	●	●
DAB/DAB+ radio with Bluetooth (includes USB/Auxiliary ports)	●	●	●
12V DC outlets	●	●	●
Document storage	●	●	●
Overhead storage and rear storage with nets	●	●	●
Beverage holder	●	●	●
Cup holder	●	●	●
Openable two-piece front window	●	●	○
One piece front windshield	X	○	●
Rear window emergency exit	●	●	●
Radial wiper with washer	●	X	X
Parallel wiper	X	●	●
Openable polycarbonate skylight hatch	●	●	X
Laminated roof glass	X	X	●
LED dome light	●	●	●
Floor welcome light	●	●	●
Roof sunscreen	●	●	●
Roller front sunscreen	●	●	●
Roller rear sunscreen	○	●	●
Washable floor mat	●	●	●
Beacon ready	●	●	●
Cat Stick Steer	○	○	○

- Standard
- Optional
- X Not available

320 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

Engine

- The Cat® C4.4 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
- ✓ 20% biodiesel FAME (fatty acid methyl ester)***
 - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels
- Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.
- * *While Cat engines are compatible with these alternative fuels, some regions may not allow their use.*
- ** *Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*
- *** *Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 0.85 kg (1.9 lb) of refrigerant which has a CO₂ equivalent of 1.216 metric tonnes (1.340 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.75 kg (1.7 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
 - Barium < 0.01%
 - Cadmium < 0.01%
 - Chromium < 0.01%
 - Lead < 0.01%

Sound Performance

ISO 6395:2008 (external) – 99 dB(A)

ISO 6396:2008 (inside cab) – 70 dB(A)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced hydraulic systems balance power and efficiency
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode supports reduced fuel consumption for light applications
 - Utilizing Cat technologies can help increase operating efficiencies
 - Extended service intervals help decrease maintenance costs
 - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	82.98%
Iron	5.36%
Nonferrous Metal	2.57%
Mixed Metal	1.57%
Mixed-Metal and Nonmetal	1.02%
Plastic	1.29%
Rubber	0.19%
Mixed Nonmetallic	0.22%
Fluid	3.18%
Other	1.62%
Uncategorized	0.00%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714:2008 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 97%

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

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

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