

323
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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323 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1	
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	135 mm	5 in
Displacement	7.01 L	428 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 (14,764 ft) altitude with engine power derate above 3000 m (9,842.5 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- 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

Weights

Operating Weight	25 500 kg	56,200 lb

- Long undercarriage, Heavy Duty (HD) Reach boom, R2.9 (9'6") HD Thumb Ready Reach stick, HD 1.38 m^3 (1.81 yd^3) bucket, 790 mm (31") HD triple grouser track shoes and 5.4 mt (11,900 lb) counterweight.

Operating Weight	23 000 kg	50,700 lb

- Long undercarriage, Reach boom, R2.9 (9'6"), Reach stick, HD 1.19 m^3 (1.56 yd^3) bucket, 790 mm (31") HD triple grouser track shoes and 4.2 mt (9,300 lb) counterweight.

Track

Standard Track Shoe Width	790 mm	31 in
Optional Track Shoe Width	600 mm	24 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull – Long Undercarriage	203 kN	45,614 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (214.5 × 2 pumps)	113 gal/min (56.5 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Heavy Lift Mode/Auto Dig Boost	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	27 500 kPa	3,998 psi
Boom Cylinder – Bore	120 mm	4.7 in
Boom Cylinder – Stroke	1260 mm	49.6 in
Boom Cylinder – Bore – Heavy Lift*	125 mm	5 in
Boom Cylinder – Stroke – Heavy Lift*	1260 mm	50 in
Stick Cylinder – Bore	140 mm	5.5 in
Stick Cylinder – Stroke	1504 mm	59.2 in
Bucket Cylinder – Bore	120 mm	4.7 in
Bucket Cylinder – Stroke	1104 mm	43.5 in

*For use with 5.4 mt (11,900 lb) counterweight only.

Service Refill Capacities

Fuel Tank Capacity	345 L	91.1 gal
Cooling System	25 L	6.6 gal
Engine Oil	25 L	6.6 gal
Swing Drive (each)	6 L	1.6 gal
Final Drive (each)	5 L	1.3 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal
Diesel Exhaust Fluid (DEF) Tank	41 L	10.8 gal

Sound Performance

ISO 6395:2008 (external)	100 dB(A)
ISO 6396:2008 (inside cab)	70 dB(A)

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

Standards

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

Operating Weights and Ground Pressures

	790 mm (31 in) HD Triple Grouser Shoes			
	Weight		Ground Pressure	
Base Machine Configurations	**kg**	**lb**	**kPa**	**psi**
Base Frame with Track Rollers and Carrier Rollers				
5.4 mt (11,900 lb) Counterweight + Long Undercarriage Base Machine				
HD Reach Boom, R2.9 (9'6") HD Thumb Ready Reach Stick, 1.38 m³ (1.81 yd³) HD Bucket	25 500	(56,200)	40.3	(5.8)
Reach Boom + R2.9 (9'6") Reach Stick + 1.38 m³ (1.81 yd³) HD Bucket	25 000	(55,100)	39.5	(5.7)
Super Long Reach Boom + 6.28A (20'7") Super Long Reach Stick + 0.53 m³ (0.69 yd³) GD Bucket	25 100	(55,300)	39.7	(5.7)
4.2 mt (9,300 lb) Counterweight + Long Undercarriage Base Machine				
Reach Boom + R2.9 (9'6") Reach Stick + 1.19 m³ (1.56 yd³) HD Bucket	23 000	(50,700)	36.3	(5.3)

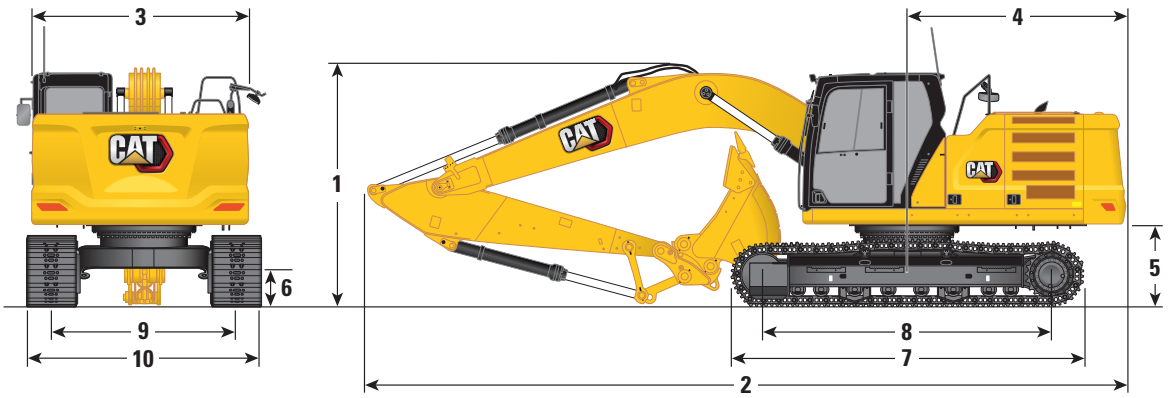
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

Major Component Weights

	kg	lb
Base Machine (with 4.2 mt [9,300 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	14 800	32,600
Base Machine (with 5.4 mt [11,900 lb] counterweight, HD swing frame, HD base frame with SD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	16 700	36,800
Track Shoes:		
600 mm (24 in) Width, 14 mm (0.55 in) Thick Single Grouser Track Shoes	3090	6,800
790 mm (31 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes with Step Extension	3800	8,400
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
5.4 mt (11,900 lb) Counterweight	5400	11,900
Swing Frames:		
Semi-HD Swing Frame	1910	4,210
HD Swing Frame	2090	4,600
Undercarriages:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4420	9,700
HD Base Frame with SD Track Rollers and Standard Carrier Rollers	4470	9,900
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
Super Long Reach (SLR) Boom 8.85 m (29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.9B1 (12'10")	1300	2,900
Reach Stick R2.9B1 (9'6")	1080	2,400
HD Thumb Ready Reach Stick R2.9B1 (9'6")	1300	2,900
Super Long Reach Stick 6.28A (20'7")	1340	3,000
Buckets (without linkage):		
1.19 m^3 (1.56 yd^3) HD	960	2,100
1.38 m^3 (1.81 yd^3) HD	1040	2,300
0.57 m^3 (0.75 yd^3) Ditch Cleaning (DC)	390	900
0.53 m^3 (0.69 yd^3) General Duty (GD)	410	900
Quick Coupler:		
Pin Grabber	390	850
Universal	230	500

Dimensions

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

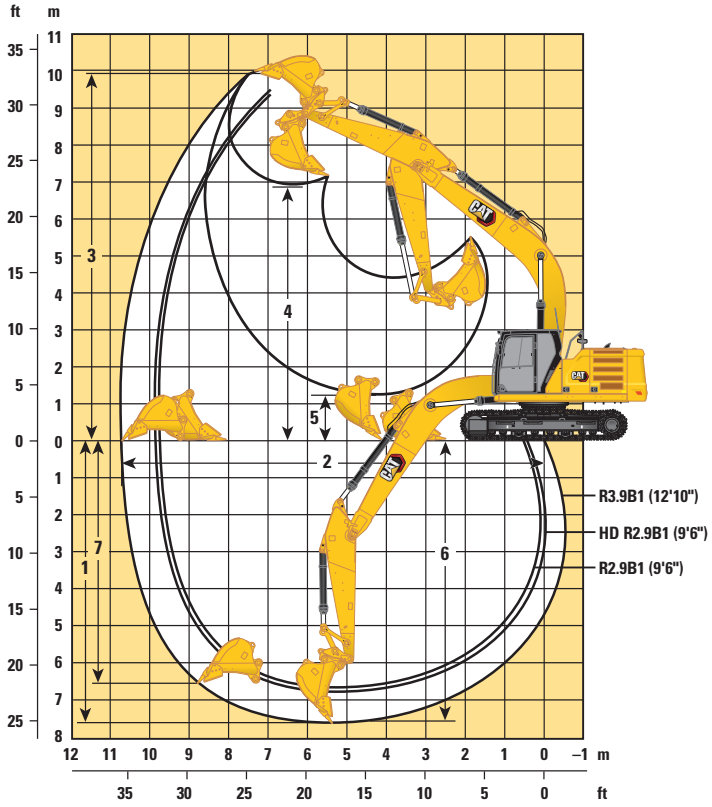


Boom Options	Reach/HD Reach Boom 5.7 m (18'8")		Reach Boom 5.7 m (18'8")		Super Long Reach Boom 8.85 m (29'0")	
Stick Options	Reach/HD TR Reach Stick		Reach Stick		Super Long Reach Stick	
	R2.9B1 (9'6")		R3.9B1 (12'10")		6.28A (20'7")	
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of Global Navigation Satellite System (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	3160 mm	10'4"	3470 mm	11'5"	3190 mm	10'5"
With Boom/Stick Installed	2910 mm	9'7"	3190 mm	10'6"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"	2650 mm	8'9"
2 Machine Length:						
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9500 mm	31'2"	12 750 mm	41'10"
With Boom/Stick Installed	9500 mm	31'2"	9530 mm	31'3"	12 760 mm	41'10"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"	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	7'10"	2380 mm	7'10"	2380 mm	7'10"
10 Undercarriage Width:						
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"	3170 mm	10'5"
Bucket Type	HD		HD		GD	
Bucket Capacity	1.19 m^3	1.56 yd^3	1.19 m^3	1.56 yd^3	0.53 m^3	0.69 yd^3
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"	1230 mm	4'0"

323 Hydraulic Excavator Specifications

Working Ranges

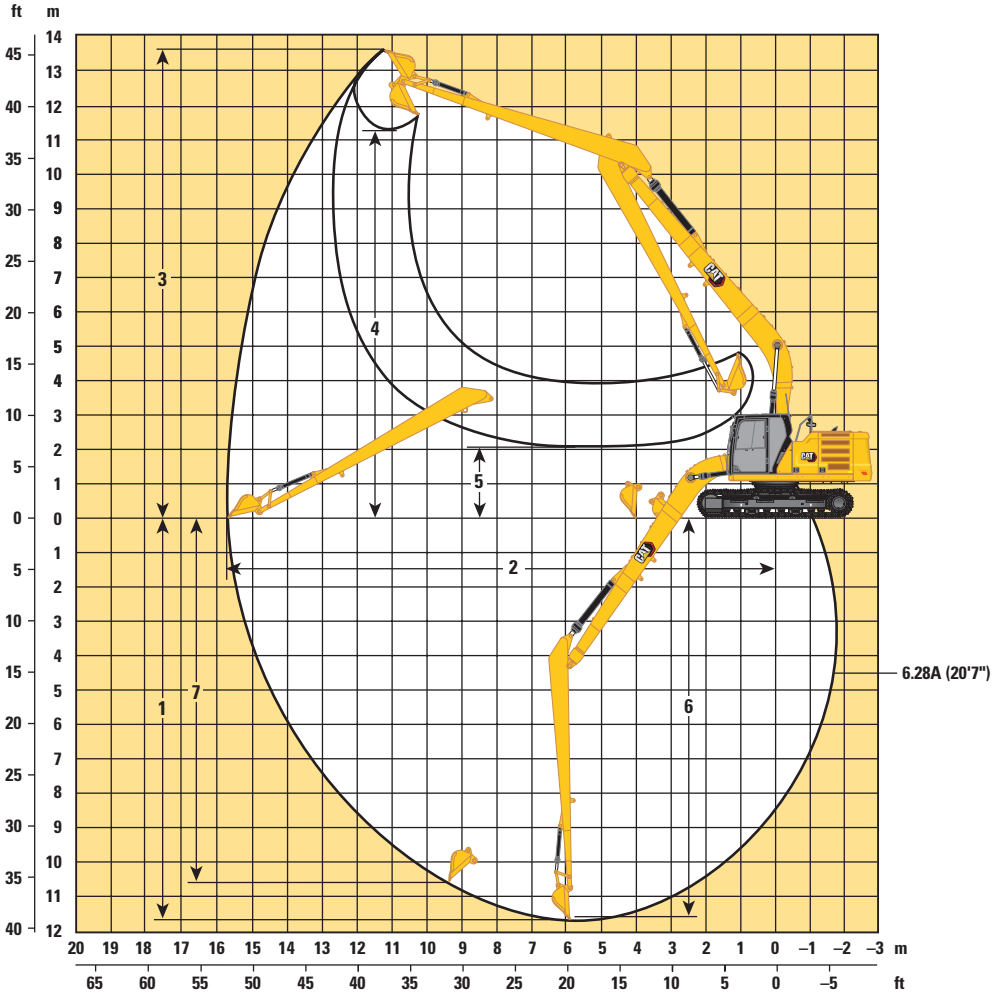
All dimensions are approximate and may vary depending on bucket selection.



Boom Options	Reach/HD Reach Boom 5.7 m (18'8")		Reach Boom 5.7 m (18'8")	
Stick Options	Reach/HD Thumb Ready Stick		Reach Stick	
	R2.9B1 (9'6")		R3.9B1 (12'10")	
1 Maximum Digging Depth	6730 mm	22'1"	7670 mm	25'2"
2 Maximum Reach at Ground Line	9870 mm	32'5"	10 770 mm	35'4"
3 Maximum Cutting Height	9450 mm	31'0"	9910 mm	32'6"
4 Maximum Loading Height	6480 mm	21'3"	6930 mm	22'9"
5 Minimum Loading Height	2160 mm	7'1"	1220 mm	4'0"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6560 mm	21'6"	7530 mm	24'8"
7 Maximum Vertical Wall Digging Depth	5740 mm	18'10"	6640 mm	21'9"
Bucket Digging Force (ISO)	150 kN	33,811 lbf	150 kN	33,811 lbf
Stick Digging Force (ISO)	106 kN	23,920 lbf	87 kN	19,626 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	163 kN	36,709 lbf	163 kN	36,709 lbf
Stick Digging Force (ISO) – Auto Dig Boost	116 kN	25,970 lbf	95 kN	21,308 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"

Working Ranges *(continued)*

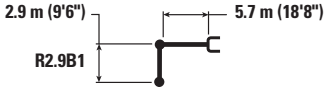
All dimensions are approximate and may vary depending on bucket selection.

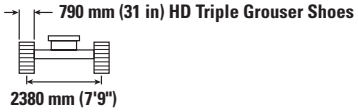


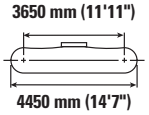
Boom Option	**SLR Boom 8.85 m (29'0")**	
Stick Options	**SLR Stick 6.28A (20'7")**	
1 Maximum Digging Depth	11 540 mm	37'10"
2 Maximum Reach at Ground Line	15 570 mm	51'1"
3 Maximum Cutting Height	13 540 mm	44'5"
4 Maximum Loading Height	11 440 mm	37'6"
5 Minimum Loading Height	2240 mm	7'4"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 440 mm	37'6"
7 Maximum Vertical Wall Digging Depth	11 020 mm	36'2"
Bucket Digging Force (ISO)	60 kN	13,549 lbf
Stick Digging Force (ISO)	49 kN	10,935 lbf
Bucket Type	DC	
Bucket Capacity	0.57 m³	0.75 yd³
Bucket Tip Radius	1070 mm	3'6"

323 Hydraulic Excavator Specifications

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

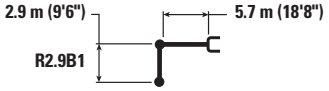


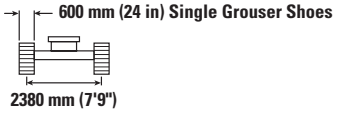


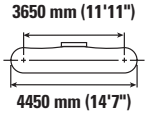


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5600 12,000	*5650 *12,350	3950 8,500	*3900 *8,600	3600 7,900	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	8100 17,500	*6850 *14,900	5350 11,500	5950 12,750	3850 8,300	*4000 *8,800	3300 7,250	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	7600 16,400	*7800 *16,900	5100 11,000	5800 12,500	3750 8,050	*4250 *9,350	3200 6,950	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	7350 15,800	7900 17,000	4950 10,650	5700 12,300	3650 7,900	*4700 *10,350	3250 7,100	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	7250 15,600	7800 16,800	4850 10,500	5700 12,250	3650 7,850	5450 11,950	3500 7,650	7780 310
–3000 mm –120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	14 100 30,150	*10 950 *23,700	7300 15,750	7850 16,900	4900 10,550			6400 14,200	4100 9,050	6950 280
–4500 mm –180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7550 16,250					*6750 *14,850	5600 12,600	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	5450 11,700	*5650 *12,350	3850 8,250	*3900 *8,600	3500 7,700	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	7900 17,050	*6850 *14,900	5200 11,200	5750 12,400	3750 8,050	*4000 *8,800	3200 7,000	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	7400 15,950	*7800 *16,900	4950 10,700	5650 12,150	3650 7,850	*4250 *9,350	3100 6,750	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	7100 15,350	7650 16,500	4800 10,350	5550 11,950	3550 7,650	*4700 *10,350	3150 6,900	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	7050 15,150	7600 16,300	4750 10,200	5550 11,900	3550 7,600	5250 11,600	3400 7,450	7780 310
–3000 mm –120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 700 29,350	*10 950 *23,700	7100 15,300	7650 16,400	4750 10,250			6200 13,750	3950 8,750	6950 280
–4500 mm –180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7300 15,800					*6750 *14,850	5450 12,250	5600 220

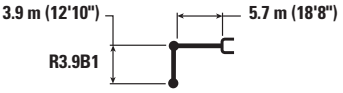
* **ISO 10567:2007**

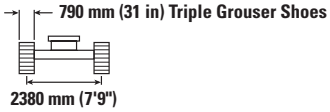
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

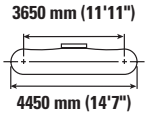
Lift capacity stays with ±5% for all available track shoes.

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

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

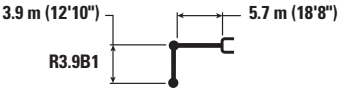


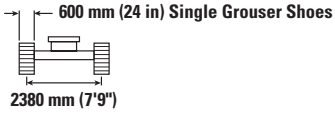


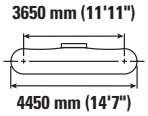


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
																mm in
7500 mm 300 in	kg lb													*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb									*4500 *9,600	4050 8,600			*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb									*4750 *10,400	3950 8,450			*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	5350 11,500	*5250 *11,400	3800 8,150	*3850 *7,150	2850 6100	*2800 *6,150	2700 5,950	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	7650 16,450	*6900 *15,000	5050 10,850	5750 12,300	3650 7,850	4350 *8,500	2750 5950	*2950 *6,450	2600 5,750	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	7200 15,450	7750 16,700	4800 10,300	5600 12,000	3500 7,550	*4150 *7,250	2700 5800	*3200 *7,050	2650 5,800	9160 360
–1500 mm –60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	7000 15,000	7600 16,350	4650 10,000	5500 11,800	3450 7,400			*3650 *8,050	2800 6,150	8730 350
–3000 mm –120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	13 400 28,750	*11 200 *24,250	6950 14,950	7550 16,300	4600 9,950	5500 11,800	3450 7,400			*4450 *9,850	3150 7,000	8000 320
–4500 mm –180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	13 700 29,400	*10 100 *21,750	7100 15,250	*7400 *15,800	4700 10,200					*6050 *13,300	3950 8,850	6870 270
–6000 mm –240 in	kg lb					*7150	*7150							*6350	*6350	4910

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		9000 mm/360 in				
																mm in
7500 mm 300 in	kg lb													*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb									*4500 *9,600	3900 8,400			*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb									*4750 *10,400	3850 8,250			*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	5200 11,200	*5250 *11,400	3700 7,950	*3850 *7,150	2750 5,900	*2800 *6,150	2650 5,800	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	7450 16,000	*6900 *15,000	4900 10,550	5550 11,950	3550 7,600	4200 *8,500	2700 5,750	*2950 *6,450	2550 5,550	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	7000 15,000	7550 16,200	4650 10,000	5400 11,600	3400 7,300	4150 *7,250	2650 5,650	*3200 *7,050	2550 5,600	9160 360
–1500 mm –60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	6750 14,550	7400 15,850	4500 9,700	5300 11,450	3350 7,150			*3650 *8,050	2700 5,950	8730 350
–3000 mm –120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	13 050 27,900	*11 200 *24,250	6750 14,500	7350 15,800	4500 9,650	5300 11,450	3350 7,150			*4450 *9,850	3050 6,800	8000 320
–4500 mm –180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	13 350 28,550	*10 100 *21,750	6850 14,800	*7400 *15,800	4550 9,850					*6050 *13,300	3850 8,600	6870 270
–6000 mm –240 in	kg lb					*7150	*7150							*6350	*6350	4910

* ISO 10567:2007

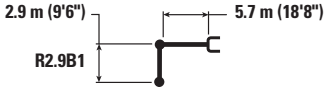
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

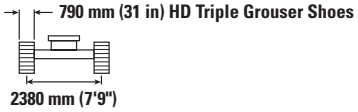
Lift capacity stays with ±5% for all available track shoes.

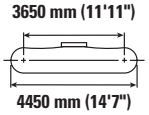
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On

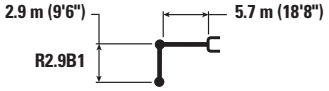


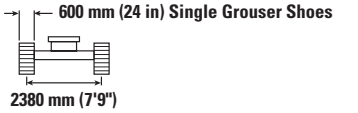


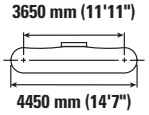


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	*6000 *13,000	*5650 *12,350	4600 9,850	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,900	6200 13,300	*6000 *13,100	4500 9,650	*4000 *8,800	3850 8,450	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	8800 19,000	*7800 *16,900	5950 12,800	*6450 *14,050	4400 9,450	*4250 *9,350	3700 8,200	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	8550 18,400	*8450 *18,350	5750 12,450	6550 14,050	4300 9,250	*4700 *10,350	3800 8,350	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	8450 18,200	*8650 *18,750	5700 12,300	6500 14,000	4250 9,200	*5500 *12,150	4100 9,000	7780 310
–3000 mm –120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	*15 500 *33,600	*10 950 *23,700	8550 18,350	*8150 *17,550	5750 12,350			*6700 *14,750	4750 10,550	6950 280
–4500 mm –180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	8750 18,850					*6750 *14,850	6500 14,600	5600 220

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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	*6000 *13,000	*5650 *12,350	4500 9,650	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,900	6050 13,000	*6000 *13,100	4400 9,450	*4000 *8,800	3750 8,250	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	8600 18,550	*7800 *16,900	5800 12,500	6450 13,900	4300 9,200	*4250 *9,350	3650 7,950	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	8350 17,950	*8450 *18,350	5650 12,100	6350 13,700	4200 9,000	*4700 *10,350	3700 8,100	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	8250 17,750	*8650 18,700	5550 11,950	6350 13,650	4150 9,000	*5500 *12,150	4000 8,750	7780 310
–3000 mm –120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	*15 500 *33,600	*10 950 *23,700	8300 17,900	*8150 *17,550	5600 12,050			*6700 *14,750	4650 10,300	6950 280
–4500 mm –180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	8550 18,400					*6750 *14,850	6350 14,250	5600 220

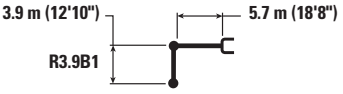
* ISO 10567:2007

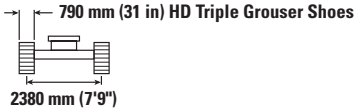
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

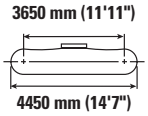
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On

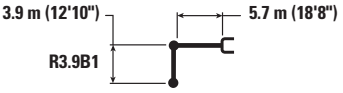


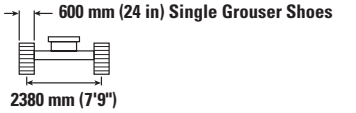


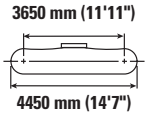


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb											*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb									*4500 *9,600	*4500 *9,600	*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb									*4750 *10,400	4550 9,800	*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	*5850 *12,700	*5250 *11,400	4450 9,500	*2800 *6,150	*2800 *6,150	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	8850 19,050	*6900 *15,000	5850 12,650	*5800 *12,600	4250 9,200	*2950 *6,450	*2950 *6,450	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	8400 18,050	*7800 *16,900	5,600 12,100	*6300 *13,650	4150 8,900	*3200 *7,050	3150 6,900	9160 360
–1500 mm –60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	8200 17,600	*8300 *18,000	5500 11,800	6300 13,550	4050 8,750	*3650 *8,050	3350 7,300	8730 350
–3000 mm –120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	*14 450 *32,750	*11 200 *24,250	8150 17,550	*8300 *17,900	5450 11,700	6300 13,550	4050 8,750	*4450 *9,850	3750 8,300	8000 320
–4500 mm –180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	*14 600 *31,350	*10 100 *21,750	8300 17,850	*7400 *15,800	5550 11,950			*6050 *13,300	4650 10,400	6870 270
–6000 mm –240 in	kg lb					*7150	*7150					*6350	*6350	4910

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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											*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb									*4500 *9,600	*4500 *9,600	*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb									*4750 *10,400	4450 9,600	*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	*5850 *12,700	*5250 *11,400	4300 9,300	*2800 *6,150	*2800 *6,150	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	8650 18,600	*6900 *15,000	5700 12,300	*5800 *12,600	4150 8,950	*2950 *6,450	*2950 *6,450	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	8200 17,600	*7800 *16,900	5500 11,800	6200 13,350	4050 8,650	*3200 *7,050	3050 6,700	9160 360
–1500 mm –60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	7950 17,150	*8300 *18,000	5350 11,500	6100 13,150	3950 8,500	*3650 *8,050	3250 7,100	8730 350
–3000 mm –120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	*14 450 32,700	*11 200 *24,250	7950 17,100	*8300 *17,900	5300 11,400	6100 13,200	3950 8,500	*4450 *9,850	3650 8,050	8000 320
–4500 mm –180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	*14 600 *31,350	*10 100 *21,750	8050 17,400	*7400 *15,800	5400 11,650			*6050 *13,300	4550 10,150	6870 270
–6000 mm –240 in	kg lb					*7150	*7150					*6350	*6350	4910

* ISO 10567:2007

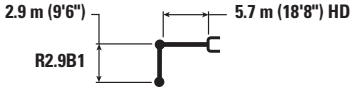
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

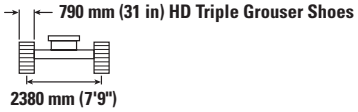
Lift capacity stays with ±5% for all available track shoes.

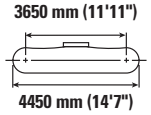
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On

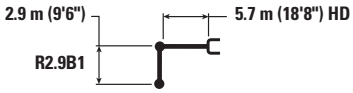


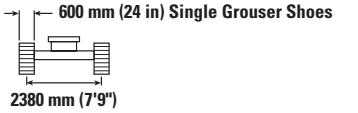


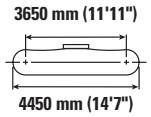


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,900	*5450 *11,900			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*5950 *12,950	*5950 *12,950	*5600 *12,300	4600 9,900	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,700	*8700 *18,700	*6850 *14,800	6200 13,350	*5950 *13,000	4500 9,700	*4000 *8,800	3850 8,450	8360 330
1500 mm 60 in	kg lb					*10 500 *22,650	8800 19,000	*7750 *16,800	5950 12,800	*6400 *13,950	4400 9,400	*4250 *9,350	3700 8,150	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 500 *24,850	8500 18,350	*8400 *18,200	5750 12,400	6550 14,050	4300 9,200	*4700 *10,350	3750 8,300	8260 330
–1500 mm –60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 600 *25,100	8450 18,150	*8600 *18,550	5700 12,200	6500 14,000	4250 9,150	*5500 *12,150	4050 8,950	7780 310
–3000 mm –120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 350 *33,250	*15 350 *33,250	*10 850 *23,450	8500 18,250	*8050 *17,350	5700 12,300			*6600 *14,600	4750 10,500	6950 280
–4500 mm –180 in	kg lb			*12 250 *26,200	*12 250 *26,200	*8800 *18,800	8700 18,750					*6700 *14,650	6450 14,550	5600 220

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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 *11,900	*5450 *11,900			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*5950 *12,950	*5950 *12,950	*5600 *12,300	4500 9,650	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,700	*8700 *18,700	*6850 *14,800	6050 13,050	*5950 *13,000	4400 9,450	*4000 *8,800	3750 8,200	8360 330
1500 mm 60 in	kg lb					*10 500 *22,650	8600 18,550	*7750 *16,800	5800 12,500	*6400 13,900	4250 9,200	*4250 *9,350	3600 7,950	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 500 *24,850	8300 17,900	*8400 *18,200	5600 12,100	6350 13,700	4150 9,000	*4700 *10,350	3700 8,050	8260 330
–1500 mm –60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 600 *25,100	8200 17,650	*8600 *18,550	5550 11,900	6350 13,600	4150 8,900	*5500 *12,150	3950 8,700	7780 310
–3000 mm –120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 350 *33,250	*15 350 *33,250	*10 850 *23,450	8250 17,800	*8050 *17,350	5550 12,000			*6600 *14,600	4600 10,250	6950 280
–4500 mm –180 in	kg lb			*12 250 *26,200	*12 250 *26,200	*8800 *18,800	8500 18,300					*6700 *14,650	6300 14,200	5600 220

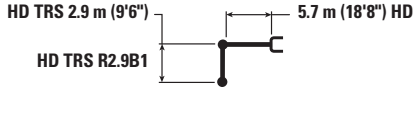
* ISO 10567:2007

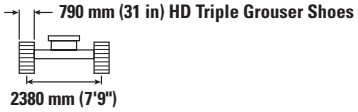
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

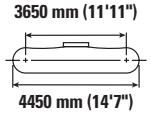
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On

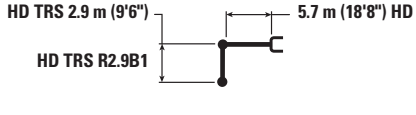


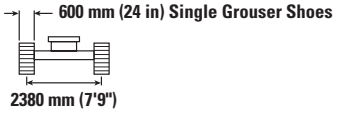


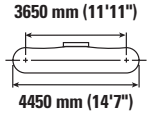


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm **300 in**	kg **lb**							*4900	*4900			*4250 ***9,400**	*4250 ***9,400**	6150 **240**
6000 mm **240 in**	kg **lb**							*5250 ***11,500**	*5250 ***11,500**			*3900 ***8,650**	*3900 ***8,650**	7290 **290**
4500 mm **180 in**	kg **lb**							*5750 ***12,550**	*5750 ***12,550**	*5400 ***11,850**	4450 **9,500**	*3850 ***8,450**	*3850 ***8,450**	7990 **320**
3000 mm **120 in**	kg **lb**					*8400 ***18,150**	*8400 ***18,150**	*6600 ***14,300**	6000 **12,900**	*5750 ***12,550**	4300 **9,300**	*3950 ***8,600**	3650 **8,050**	8360 **330**
1500 mm **60 in**	kg **lb**					*10 200 ***21,950**	8500 **18,350**	*7500 ***16,200**	5700 **12,300**	*6200 ***13,450**	4200 **9,000**	*4150 ***9,150**	3550 **7,750**	8450 **340**
0 mm **0 in**	kg **lb**			*6550 ***15,050**	*6550 ***15,050**	*11 150 ***24,100**	8200 **17,650**	*8150 ***17,600**	5500 **11,850**	6350 **13,600**	4100 **8,800**	*4600 ***10,150**	3600 **7,900**	8260 **330**
–1500 mm **–60 in**	kg **lb**	*7000 ***15,650**	*7000 ***15,650**	*11 350 ***25,750**	*11 350 ***25,750**	*11 250 ***24,350**	8100 **17,400**	*8300 ***17,950**	5450 **11,700**	6300 **13,550**	4050 **8,700**	*5400 ***11,950**	3850 **8,500**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*12 050 ***27,000**	*12 050 ***27,000**	*14 900 ***32,300**	*14 900 ***32,300**	*10 500 ***22,750**	8150 **17,600**	*7800 ***16,800**	5450 **11,800**			*6400 ***14,050**	4550 **10,050**	6950 **280**
–4500 mm **–180 in**	kg **lb**			*11 850 ***25,350**	*11 850 ***25,350**	*8550 ***18,150**	8400 ***18,150**					*6450 ***14,150**	6250 **14,050**	5600 **220**

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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**							*4900	*4900			*4250 ***9,400**	*4250 ***9,400**	6150 **240**
6000 mm **240 in**	kg **lb**							*5250 ***11,500**	*5250 ***11,500**			*3900 ***8,650**	*3900 ***8,650**	7290 **290**
4500 mm **180 in**	kg **lb**							*5750 ***12,550**	*5750 ***12,550**	*5400 ***11,850**	4350 **9,300**	*3850 ***8,450**	*3850 ***8,450**	7990 **320**
3000 mm **120 in**	kg **lb**					*8400 ***18,150**	*8400 ***18,150**	*6600 ***14,300**	5850 **12,600**	*5750 ***12,550**	4200 **9,050**	*3950 ***8,600**	3550 **7,850**	8360 **330**
1500 mm **60 in**	kg **lb**					*10 200 ***21,950**	8300 **17,900**	*7500 ***16,200**	5550 **12,000**	*6200 ***13,450**	4100 **8,750**	*4150 ***9,150**	3450 **7,550**	8450 **340**
0 mm **0 in**	kg **lb**			*6550 ***15,050**	*6550 ***15,050**	*11 150 ***24,100**	8000 **17,200**	*8150 ***17,600**	5350 **11,550**	6150 **13,250**	3950 **8,550**	*4600 ***10,150**	3500 **7,650**	8260 **330**
–1500 mm **–60 in**	kg **lb**	*7000 ***15,650**	*7000 ***15,650**	*11 350 ***25,750**	*11 350 ***25,750**	*11 250 ***24,350**	7900 **16,950**	*8300 ***17,950**	5300 **11,350**	6150 **13,200**	3950 **8,500**	*5400 ***11,950**	3750 **8,300**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*12 050 ***27,000**	*12 050 ***27,000**	*14 900 ***32,300**	*14 900 ***32,300**	*10 500 ***22,750**	7950 **17,100**	*7800 ***16,800**	5300 **11,450**			*6400 ***14,050**	4400 **9,800**	6950 **280**
–4500 mm **–180 in**	kg **lb**			*11 850 ***25,350**	*11 850 ***25,350**	*8550 ***18,150**	8200 **17,700**					*6450 ***14,150**	6100 **13,700**	5600 **220**

* **ISO 10567:2007**

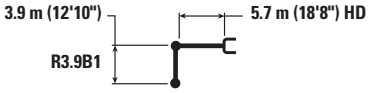
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

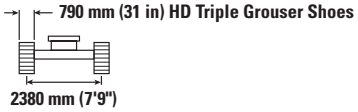
Lift capacity stays with ±5% for all available track shoes.

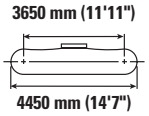
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On

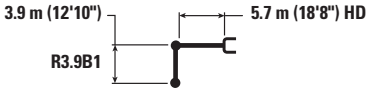


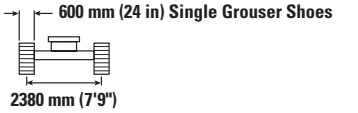


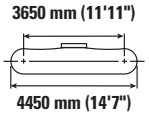


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		900 mm/360 in				
																mm in
7500 mm **300 in**	kg **lb**													*3000 ***6,600**	*3000 ***6,600**	7320 **290**
6000 mm **240 in**	kg **lb**									*4500 ***9,600**	*4500 ***9,600**			*2800 ***6,150**	*2800 ***6,150**	8300 **330**
4500 mm **180 in**	kg **lb**									*4750 ***10,350**	4600 **9,850**			*2750 ***6,050**	*2750 ***6,050**	8920 **350**
3000 mm **120 in**	kg **lb**					*7100 ***15,250**	*7100 ***15,250**	*5850 ***12,650**	*5850 ***12,650**	*5200 ***11,350**	4450 **9,550**	*3850 ***7,150**	3350 ***7,150**	*2800 ***6,150**	*2800 ***6,150**	9250 **370**
1500 mm **60 in**	kg **lb**			*9800 ***23,300**	*9800 ***23,300**	*9150 ***19,700**	8850 **19,100**	*6900 ***14,900**	5900 **12,650**	*5750 ***12,500**	4300 **9,200**	*4450 ***8,500**	3250 **7,000**	*2950 ***6,450**	*2950 ***6,450**	9330 **370**
0 mm **0 in**	kg **lb**			*8100 ***18,450**	*8100 ***18,450**	*10 600 ***22,950**	8400 **18,050**	*7750 ***16,800**	5600 **12,100**	*6250 ***13,550**	4150 **8,900**	*4150 ***7,250**	3200 **6,900**	*3200 ***7,050**	3100 **6,850**	9160 **360**
–1500 mm **–60 in**	kg **lb**	*6050 ***13,500**	*6050 ***13,500**	*10 400 ***23,550**	*10 400 ***23,550**	*11 300 ***24,400**	8150 **17,500**	*8250 ***17,850**	5450 **11,750**	6300 **13,550**	4050 **8,700**			*3650 ***8,050**	3300 **7,250**	8730 **350**
–3000 mm **–120 in**	kg **lb**	*9400 ***21,100**	*9400 ***21,100**	*14 450 ***32,750**	*14 450 ***32,750**	*11 100 ***24,050**	8100 **17,450**	*8200 ***17,750**	5400 **11,650**	6300 **13,550**	4050 **8,700**			*4450 ***9,850**	3750 **8,250**	8000 **320**
–4500 mm **–180 in**	kg **lb**	*13 650 ***30,750**	*13 650 ***30,750**	*14 400 ***31,000**	*14 400 ***31,000**	*10 000 ***21,500**	8250 **17,700**	*7350 ***15,650**	5500 **11,850**					*6000 ***13,150**	4650 **10,350**	6870 **270**
–6000 mm **–240 in**	kg **lb**					*7050	*7050							*6250	*6250	4910

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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		7500 mm/300 in				
																mm in
7500 mm **300 in**	kg **lb**													*3000 ***6,600**	*3000 ***6,600**	7320 **290**
6000 mm **240 in**	kg **lb**									*4500 ***9,600**	*4500 ***9,600**			*2800 ***6,150**	*2800 ***6,150**	8300 **330**
4500 mm **180 in**	kg **lb**									*4750 ***10,350**	4500 **9,600**			*2750 ***6,050**	*2750 ***6,050**	8920 **350**
3000 mm **120 in**	kg **lb**					*7100 ***15,250**	*7100 ***15,250**	*5850 ***12,650**	*5850 ***12,650**	*5200 ***11,350**	4350 **9,300**	*3850 ***7,150**	3250 **6,950**	*2800 ***6,150**	*2800 ***6,150**	9250 **370**
1500 mm **60 in**	kg **lb**			*9800 ***23,300**	*9800 ***23,300**	*9150 ***19,700**	8650 **18,650**	*6900 ***14,900**	5750 **12,350**	*5750 ***12,500**	4150 **8,950**	*4450 ***8,500**	3200 **6,800**	*2950 ***6,450**	*2950 ***6,450**	9330 **370**
0 mm **0 in**	kg **lb**			*8100 ***18,450**	*8100 ***18,450**	*10 600 ***22,950**	8150 **17,600**	*7750 ***16,800**	5450 **11,750**	6200 **13,350**	4000 **8,650**	*4150 ***7,250**	3100 **6,700**	*3200 ***7,050**	3050 **6,650**	9160 **360**
–1500 mm **–60 in**	kg **lb**	*6050 ***13,500**	*6050 ***13,500**	*10 400 ***23,550**	*10 400 ***23,550**	*11 300 ***24,400**	7950 **17,050**	*8250 ***17,850**	5300 **11,450**	6100 **13,150**	3950 **8,450**			*3650 ***8,050**	3200 **7,050**	8730 **350**
–3000 mm **–120 in**	kg **lb**	*9400 ***21,100**	*9400 ***21,100**	*14 450 ***32,750**	*14 450 **32,500**	*11 100 ***24,050**	7900 **17,000**	*8200 ***17,750**	5250 **11,350**	6100 **13,150**	3950 **8,450**			*4450 ***9,850**	3650 **8,000**	8000 **320**
–4500 mm **–180 in**	kg **lb**	*13 650 ***30,750**	*13 650 ***30,750**	*14 400 ***31,000**	*14 400 ***31,000**	*10 000 ***21,500**	8000 **17,250**	*7350 ***15,650**	5350 **11,550**					*6000 ***13,150**	4500 **10,100**	6870 **270**
–6000 mm **–240 in**	kg **lb**					*7050	*7050							*6250	*6250	4910

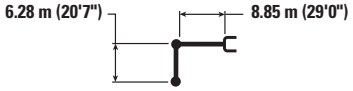
* **ISO 10567:2007**

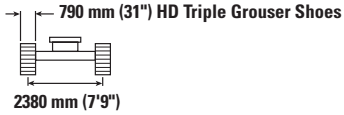
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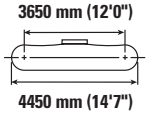
Lift capacity stays with ±5% for all available track shoes.

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

SLR Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket







		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
12.0 m **40.0 ft**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10.35 **33.30**
10.5 m **35.0 ft**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11.66 **38.33**
9.0 m **30.0 ft**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12.66 **41.67**
7.5 m **25.0 ft**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13.41 **44.17**
6.0 m **20.0 ft**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13.97 **45.83**
4.5 m **15.0 ft**	kg **lb**											*1300 ***2,800**	*1300 ***2,800**	14.34 **47.50**
3.0 m **10.0 ft**	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**	*1300 ***2,900**	14.55 **48.33**
1.5 m **5.0 ft**	kg **lb**					*6750 ***15,950**	*6750 ***15,950**	*5250 ***11,300**	5250 **11,300**	*4100 ***8,850**	3900 **8,400**	*1400 ***3,000**	*1400 ***3,000**	14.60 **48.33**
0 m **0 ft**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4800 **10,350**	*4550 ***9,800**	3600 **7,750**	*1450 ***3,200**	1350 **3,000**	14.49 **47.50**
–1.5 m **–5.0 ft**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	4500 **9,700**	*4850 ***10,450**	3400 **7,300**	*1550 ***3,450**	1400 **3,050**	14.23 **46.67**
–3.0 m **–10.0 ft**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	4400 **9,400**	*5000 ***10,800**	3250 **7,050**	*1750 ***3,800**	1450 **3,150**	13.79 **45.83**
–4.5 m **–15.0 ft**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	*6050 ***13,700**	*6400 ***13,800**	4350 **9,350**	*5050 ***10,850**	3200 **6,900**	*1950 ***4,300**	1550 **3,400**	13.17 **43.33**
–6.0 m **–20.0 ft**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	6650 **14,350**	*6150 ***13,250**	4400 **9,450**	*4900 ***10,550**	3250 **6,950**	*2300 ***5,100**	1700 **3,750**	12.34 **40.83**
–7.5 m **–25.0 ft**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	6850 **14,750**	*5650 ***12,150**	4500 **9,700**	*4550 ***9,750**	3300 **7,100**	*2700 ***5,950**	2000 **4,400**	11.24 **36.67**
–9.0 m **–30.0 ft**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	*6150 ***13,100**	*4850 ***10,350**	4700 **10,100**	*3900 ***8,300**	3450 **7,450**	*2700 ***5,900**	2500 **5,600**	9.80 **31.67**

* **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.

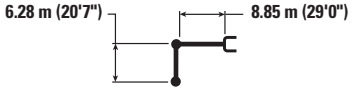
Lift capacity stays with ±5% for all available track shoes.

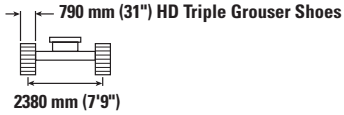
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

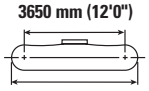
(continued on next page)

323 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket *(continued)*







		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
												m ft
12.0 m **40.0 ft**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10.35 **33.30**
10.5 m **35.0 ft**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11.66 **38.33**
9.0 m **30.0 ft**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	*2200 ***4,200**			*1300 ***2,850**	*1300 ***2,850**	12.66 **41.67**
7.5 m **25.0 ft**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	*2200 **4,850**			*1250 ***2,800**	*1250 ***2,800**	13.41 **44.17**
6.0 m **20.0 ft**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	2200 **4,750**	*2100 ***3,700**	1750 ***3,700**	*1250 ***2,750**	*1250 ***2,750**	13.97 **45.83**
4.5 m **15.0 ft**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	*2550 ***5,550**	*2400 ***5,200**	2150 **4,550**	*2300 ***5,000**	1700 **3,650**	*1300 ***2,800**	*1300 ***2,800**	14.34 **47.50**
3.0 m **10.0 ft**	kg **lb**	*3100 ***6,750**	*3100 ***6,750**	*2800 ***6,000**	2550 **5,450**	*2550 ***5,500**	2050 **4,350**	*2400 ***5,150**	1650 **3,500**	*1300 ***2,900**	*1300 ***2,900**	14.55 **48.33**
1.5 m **5.0 ft**	kg **lb**	*3450 ***7,400**	3000 **6,500**	*3000 ***6,450**	2400 **5,150**	*2700 ***5,800**	1950 **4,150**	*2450 ***5,350**	1600 **3,400**	*1400 ***3,000**	*1400 ***3,000**	14.60 **48.33**
0 m **0 ft**	kg **lb**	*3700 ***8,050**	2850 **6,050**	*3200 ***6,900**	2300 **4,900**	*2800 ***6,100**	1850 **4,000**	2550 **5,450**	1550 **3,300**	*1450 ***3,200**	1350 **3,000**	14.49 **47.50**
–1.5 m **–5.0 ft**	kg **lb**	*3950 ***8,550**	2700 **5,750**	*3350 ***7,250**	2150 **4,650**	*2950 **6,300**	1800 **3,850**	2500 **5,350**	1500 **3,200**	*1550 ***3,450**	1400 **3,050**	14.23 **46.67**
–3.0 m **–10.0 ft**	kg **lb**	*4100 ***8,850**	2600 **5,550**	*3450 ***7,450**	2100 **4,500**	2900 **6,200**	1750 **3,750**	2450 ***4,200**	1500 **3,150**	*1750 ***3,800**	1450 **3,150**	13.79 **45.83**
–4.5 m **–15.0 ft**	kg **lb**	*4100 ***8,900**	2550 **5,450**	3450 **7,400**	2050 **4,450**	2900 **6,200**	1750 **3,700**			*1950 ***4,300**	1550 **3,400**	13.17 **43.33**
–6.0 m **–20.0 ft**	kg **lb**	*4000 ***8,650**	2550 **5,450**	*3350 ***7,200**	2100 **4,450**	*2800 ***5,900**	1750 **3,800**			*2300 ***5,100**	1700 **3,750**	12.34 **40.83**
–7.5 m **–25.0 ft**	kg **lb**	*3750 ***7,950**	2600 **5,600**	*3050 ***6,450**	2150 **4,650**					*2700 ***5,950**	2000 **4,400**	11.24 **36.67**
–9.0 m **–30.0 ft**	kg **lb**	*3150 ***6,500**	2750 **5,900**							*2700 ***5,900**	2500 **5,600**	9.80 **31.67**

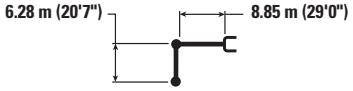
* **ISO 10567:2007**

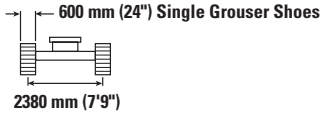
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

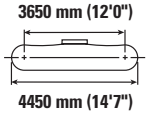
Lift capacity stays with ±5% for all available track shoes.

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

SLR Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket *(continued)*







		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
12.0 m **40.0 ft**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10.35 **33.30**
10.5 m **35.0 ft**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11.66 **38.33**
9.0 m **30.0 ft**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12.66 **41.67**
7.5 m **25.0 ft**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13.41 **44.17**
6.0 m **20.0 ft**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13.97 **45.83**
4.5 m **15.0 ft**	kg **lb**											*1300 ***2,800**	*1300 ***2,800**	14.34 **47.50**
3.0 m **10.0 ft**	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**	*1300 ***2,900**	14.55 **48.33**
1.5 m **5.0 ft**	kg **lb**					*6750 ***15,950**	*6750 ***15,950**	*5250 ***11,300**	5100 **11,000**	*4100 ***8,850**	3800 **8,150**	*1400 ***3,000**	1350 **2,900**	14.60 **48.33**
0 m **0 ft**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4650 **10,000**	*4550 ***9,800**	3500 **7,500**	*1450 ***3,200**	1300 **2,900**	14.49 **47.50**
–1.5 m **–5.0 ft**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	4350 **9,400**	*4850 ***10,450**	3300 **7,050**	*1550 ***3,450**	1350 **2,900**	14.23 **46.67**
–3.0 m **–10.0 ft**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	4250 **9,100**	*5000 ***10,800**	3150 **6,800**	*1750 ***3,800**	1400 **3,050**	13.79 **45.83**
–4.5 m **–15.0 ft**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	*6050 **13,650**	*6400 ***13,800**	4200 **9,050**	*5050 ***10,850**	3100 **6,700**	*1950 ***4,300**	1500 **3,250**	13.17 **43.33**
–6.0 m **–20.0 ft**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	6450 **13,900**	*6150 ***13,250**	4250 **9,150**	*4900 ***10,550**	3100 **6,700**	*2300 ***5,100**	1650 **3,650**	12.34 **40.83**
–7.5 m **–25.0 ft**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	6650 **14,300**	*5650 ***12,150**	4350 **9,400**	*4550 ***9,750**	3200 **6,900**	*2700 ***5,950**	1900 **4,250**	11.24 **36.67**
–9.0 m **–30.0 ft**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	*6150 ***13,100**	*4850 ***10,350**	4550 **9,800**	*3900 ***8,300**	3350 **7,200**	*2700 ***5,900**	2400 **5,400**	9.80 **31.67**

* **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.

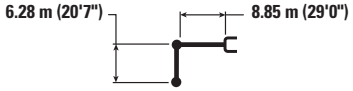
Lift capacity stays with ±5% for all available track shoes.

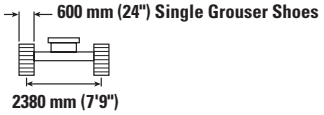
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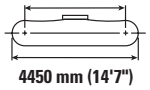
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323 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket *(continued)*







		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
												m ft
12.0 m **40.0 ft**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10.35 **33.30**
10.5 m **35.0 ft**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11.66 **38.33**
9.0 m **30.0 ft**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	*2200 ***4,200**			*1300 ***2,850**	*1300 ***2,850**	12.66 **41.67**
7.5 m **25.0 ft**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	2200 **4,700**			*1250 ***2,800**	*1250 ***2,800**	13.41 **44.17**
6.0 m **20.0 ft**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	2150 **4,600**	*2100 ***3,700**	1700 **3,600**	*1250 ***2,750**	*1250 ***2,750**	13.97 **45.83**
4.5 m **15.0 ft**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	*2550 ***5,550**	*2400 ***5,200**	2100 **4,450**	*2300 ***5,000**	1650 **3,500**	*1300 ***2,800**	*1300 ***2,800**	14.34 **47.50**
3.0 m **10.0 ft**	kg **lb**	*3100 ***6,750**	*3100 ***6,750**	*2800 ***6,000**	2500 **5300**	*2550 ***5,500**	2000 **4250**	*2400 ***5,150**	1600 **3400**	*1300 ***2,900**	*1300 ***2,900**	14.55 **48.33**
1.5 m **5.0 ft**	kg **lb**	*3450 ***7,400**	2950 **6,300**	*3000 ***6,450**	2350 **5,000**	*2700 ***5,800**	1900 **4,050**	*2450 ***5,350**	1550 **3,300**	*1400 ***3,000**	1350 **2,900**	14.60 **48.33**
0 m **0 ft**	kg **lb**	*3700 ***8,050**	2750 **5,900**	*3200 ***6,900**	2200 **4,700**	*2800 ***6,100**	1800 **3,850**	2450 **5,250**	1500 **3,150**	*1450 ***3,200**	1300 **2,900**	14.49 **47.50**
–1.5 m **–5.0 ft**	kg **lb**	*3950 ***8,550**	2600 **5,550**	*3350 ***7,250**	2100 **4,500**	2850 **6,100**	1750 **3,700**	2400 **5,150**	1450 **3,100**	*1550 ***3,450**	1350 **2,900**	14.23 **46.67**
–3.0 m **–10.0 ft**	kg **lb**	*4100 ***8,850**	2500 **5,350**	3350 **7,200**	2050 **4,350**	2800 **6,000**	1700 **3,600**	2400 ***4,200**	1450 **3,050**	*1750 ***3,800**	1400 **3,050**	13.79 **45.83**
–4.5 m **–15.0 ft**	kg **lb**	4100 **8,800**	2450 **5,250**	3300 **7,150**	2000 **4,250**	2800 **6,000**	1650 **3,600**			*1950 ***4,300**	1500 **3,250**	13.17 **43.33**
–6.0 m **–20.0 ft**	kg **lb**	*4000 ***8,650**	2450 **5,250**	3350 **7,150**	2000 **4,300**	*2800 ***5,900**	1700 **3,650**			*2300 ***5,100**	1650 **3,650**	12.34 **40.83**
–7.5 m **–25.0 ft**	kg **lb**	*3750 ***7,950**	2500 **5,400**	*3050 ***6,450**	2050 **4,450**					*2700 ***5,950**	1900 **4,250**	11.24 **36.67**
–9.0 m **–30.0 ft**	kg **lb**	*3150 ***6,500**	2650 **5,750**							*2700 ***5,900**	2400 **5,400**	9.80 **31.67**

* **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.

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight			
									Reach Boom		Reach Boom		HD Reach Boom	SLR Boom
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS	SLR8.85 (29'0")
Pin-On (No Quick Coupler)														
General Duty Capacity	B	600	24	0.55	0.72	620	1,366	100	●	●	●	●	●	
	B	750	30	0.75	0.98	717	1,580	100	●	●	●	●	●	
	B	900	36	0.95	1.24	793	1,747	100	●	◉	●	●	●	
	B	1050	42	1.16	1.52	848	1,869	100	●	⊖	●	◉	●	
	B	1200	48	1.38	1.80	924	2,038	100	⊖	○	●	⊖	◉	
	B	1350	54	1.59	2.08	1002	2,210	100	○	◇	◉	○	⊖	
General Duty Capacity – Wide Tip	B	600	24	0.55	0.72	617	1,360	100	●	●	●	●	●	
	B	750	30	0.75	0.98	715	1,576	100	●	●	●	●	●	
	B	900	36	0.95	1.24	791	1,743	100	●	◉	●	●	●	
	B	1050	42	1.16	1.52	861	1,899	100	●	⊖	●	◉	●	
	B	1200	48	1.38	1.80	938	2,069	100	⊖	○	●	⊖	◉	
	B	1350	54	1.59	2.08	1016	2,241	100	○	◇	◉	○	⊖	
Heavy Duty	B	600	24	0.46	0.60	647	1,426	100	●	●	●	●	●	
	B	750	30	0.64	0.84	752	1,658	100	●	●	●	●	●	
	B	900	36	0.81	1.06	835	1,841	100	●	●	●	●	●	
	B	1050	42	1.00	1.31	892	1,967	100	●	⊖	●	●	●	
	B	1200	48	1.19	1.56	975	2,150	100	◉	○	●	◉	●	
	B	1350	54	1.38	1.81	1060	2,336	100	X	X	X	X	X	
Heavy Duty Power	B	1050	42	0.96	1.26	898	1,980	100	●	⊖	●	●	●	
Severe Duty	B	600	24	0.46	0.61	683	1,506	90	●	●	●	●	●	
	B	750	30	0.64	0.84	795	1,753	90	●	●	●	●	●	
	B	900	36	0.81	1.06	885	1,950	90	●	●	●	●	●	
	B	1050	42	1.00	1.31	948	2,091	90	●	◉	●	●	●	
	B	1200	48	1.19	1.56	1038	2,289	90	●	○	●	◉	●	
Severe Duty Power	B	900	36	0.79	1.03	853	1,881	90	●	●	●	●	●	
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	○	◇	◉	○	⊖	
	B	2000	78	1.76	2.31	1045	2,303	100	○	X	⊖	○	⊖	
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	●	◉	●	●	●	
	B	1800	72	1.24	1.62	739	1,630	100	◉	⊖	●	◉	●	
Ditch Cleaning Tilt	B	1500	60	0.90	1.18	948	2,090	100	●	◉	●	●	●	
	B	1800	72	1.11	1.45	1063	2,344	100	◉	○	●	◉	●	
	B	1800	72	1.40	1.83	1105	2,437	100	⊖	◇	◉	○	◉	
	B	2000	79	1.23	1.61	1132	2,496	100	⊖	◇	●	⊖	◉	
Tamping	B	2200	86	0.72	0.94	868	1,913	100	●	●	●	●	●	
	B	2200	86	0.90	1.18	891	1,965	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	3100	2445	3710	2985	2840	1140
								lb	6,834	5,390	8,179	6,581	6,261	2,513

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.

TRS = Thumb Ready Stick

Maximum Material Density:

- ● 2100 kg/m³ (3,500 lb/yd³)
- ◉ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- ○ 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)

Bucket Specifications and Compatibility *(continued)*

		Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight				
									Reach Boom		Reach Boom		HD Reach Boom		SLR Boom
	Linkage	mm	in	m³	yd³	kg	lb	%	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS	R2.9 (9'6") HD Thumb	SLR8.85 (29'0")
With Cat Pin Grabber Coupler															
General Duty Capacity	B	600	24	0.55	0.72	620	1,366	100	●	●	●	●	●		
	B	750	30	0.75	0.98	717	1,580	100	●	◉	●	●	●		
	B	900	36	0.95	1.24	793	1,747	100	●	○	●	◉	●		
	B	1050	42	1.16	1.52	848	1,869	100	⊖	◇	●	⊖	◉		
	B	1200	48	1.38	1.80	924	2,038	100	○	◇	◉	○	⊖		
	B	1350	54	1.59	2.08	1002	2,210	100	◇	X	⊖	◇	○		
General Duty Capacity – Wide Tip	B	600	24	0.55	0.72	617	1,360	100	●	●	●	●	●		
	B	750	30	0.75	0.98	715	1,576	100	●	◉	●	●	●		
	B	900	36	0.95	1.24	791	1,743	100	●	○	●	◉	●		
	B	1050	42	1.16	1.52	861	1,899	100	⊖	◇	●	⊖	◉		
	B	1200	48	1.38	1.80	938	2,069	100	○	X	◉	○	⊖		
	B	1350	54	1.59	2.08	1016	2,241	100	◇	X	⊖	◇	○		
Heavy Duty	B	600	24	0.46	0.60	647	1,426	100	●	●	●	●	●		
	B	750	30	0.64	0.84	752	1,658	100	●	●	●	●	●		
	B	900	36	0.81	1.06	835	1,841	100	●	⊖	●	●	●		
	B	1050	42	1.00	1.31	892	1,967	100	◉	○	●	◉	●		
	B	1200	48	1.19	1.56	975	2,150	100	⊖	◇	●	○	◉		
	B	1350	54	1.38	1.81	1060	2,336	100	○	X	⊖	○	⊖		
Heavy DutyPower	B	1200	48	1.14	1.49	983	2,167	100	⊖	◇	●	⊖	◉		
Heavy Duty Pin Grabber Performance	B	600	24	0.44	0.57	682	1,503	100	●	●	●	●	●		
	B	750	30	0.60	0.79	787	1,735	100	●	●	●	●	●		
	B	900	36	0.76	1.00	876	1,931	100	●	⊖	●	●	●		
	B	1050	42	0.93	1.22	940	2,072	100	◉	○	●	◉	●		
	B	1200	48	1.11	1.45	1031	2,272	100	⊖	◇	●	⊖	◉		
	B	1350	54	1.28	1.67	1122	2,474	100	○	X	◉	○	⊖		
Severe Duty	B	600	24	0.46	0.61	683	1,506	90	●	●	●	●	●		
	B	750	30	0.64	0.84	795	1,753	90	●	●	●	●	●		
	B	900	36	0.81	1.06	885	1,950	90	●	⊖	●	●	●		
	B	1050	42	1.00	1.31	948	2,091	90	●	○	●	◉	●		
	B	1200	48	1.19	1.56	1038	2,289	90	⊖	◇	●	⊖	◉		
	B	900	36	0.79	1.03	853	1,881	90	●	◉	●	●	●		
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	◇	X	⊖	◇	○		
	B	2000	78	1.76	2.31	1045	2,303	100	◇	X	○	◇	○		
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	●	⊖	●	◉	●		
	B	1800	72	1.24	1.62	739	1,630	100	⊖	◇	●	⊖	◉		
Ditch Cleaning Tilt	B	1500	60	0.90	1.18	948	2,090	100	●	◉	●	●	●		
	B	1800	72	1.11	1.45	1063	2,344	100	◉	○	●	◉	●		
	B	1800	72	1.40	1.83	1105	2,437	100	⊖	◇	◉	○	◉		
	B	2000	79	1.23	1.61	1132	2,496	100	○	X	◉	○	⊖		
Maximum load with coupler (payload + bucket)								kg	2779	2112	3401	2660	3140		940
								lb	6,127	4,656	7,498	5,865	6,924		2,073
With Cat Pin Grabber Coupler with Thumb*															
Heavy Duty	B	900	36	0.69	0.90	821	1,809	100						●	
	B	900	36	0.69	0.90	799	1,760	100						●	
Clean Up	B	1500	60	1.31	1.71	864	1,904	100						○	
Maximum load with pin-on (payload + bucket)								kg						2706	
								lb						5,966	

**Thumb Pin and Thumb weight included*

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.

TRS = Thumb Ready Stick

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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

Bucket Specifications and Compatibility *(continued)*

		Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight		
									Reach Boom		Reach Boom		HD Reach Boom
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS
Pin-on, TRS20 S70													
Grading	B	1600	63	1.00	1.31	691	1,523	100	⊖	◇	●	⊖	○
	B	1800	71	1.10	1.44	758	1,671	100	⊖	X	●	○	○
Digging	B	1150	45	0.90	1.18	778	1,715	100	◉	◇	●	⊖	⊖
	B	1280	49	1.10	1.44	850	1,874	100	○	X	◉	○	◇
Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●
Maximum load with pin-on (payload + bucket)								kg	2345	1690	2955	2230	2085
								lb	5,170	3,726	6,515	4,916	4,597
With HCS70, TRS20 HCS70													
Grading	B	1600	63	1.00	1.31	691	1,523	100	○	X	◉	○	◇
	B	1800	71	1.10	1.44	758	1,671	100	◇	X	⊖	◇	◇
Digging	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
Trenching	B	600	24	0.55	0.72	460	1,014	100	●	⊖	●	●	●
Maximum load with pin-on (payload + bucket)								kg	1963	1308	2573	1848	1703
								lb	4,328	2,884	5,672	4,074	3,754

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.

TRS = Thumb Ready Stick

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Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- X Not Recommended

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 | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		Reach		Reach		HD Reach
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	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	✓	✓	✓	✓	✓
	MP324 Concrete Cutter Jaw	✓		✓		✓
	MP324 Demolition Jaw	✓		✓		✓
	MP324 Shear Jaw	✓		✓		✓
	MP324 Tank Shear Jaw	✓*		✓		✓
	MP324 Universal Jaw	✓*		✓		✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓	✓
	G318 WH-1100	✓		✓		✓
	G324	✓*		✓		✓
	G324 WH-1500	✓*		✓		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓		✓		✓
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P224 Secondary Pulverizer					
	P318 Primary Pulverizer	✓		✓		✓
	P324 Primary Pulverizer	✓*		✓		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓
Mulchers	HM4015	✓	✓	✓	✓	✓
	HM4018	✓	✓	✓	✓	✓
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			○		

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

(continued on next page)

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)		5.4 mt (11,900 lb)		
Boom Type		**Reach**		**Reach**		**HD Reach**
Stick Length		**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6") TRS**
Hydraulic Hammers	H120 GC 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	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	✓	✓	✓	✓	✓
Mulchers	HM4015	✓	✓	✓	✓	✓
	HM4815	✓	✓	✓	✓	✓

S70 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		**Reach**		**Reach**		**HD Reach**
Stick Length		**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6") TRS**
Hydraulic Hammers	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	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	✓	✓	✓	✓	✓

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

(continued on next page)

Attachments Offering Guide *(continued)*

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

✓ Match | † Allowed usage on machine less than 50% | No Match

HCS70 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		**Reach**		**Reach**		**HD Reach**
Stick Length		**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6") TRS**
Hydraulic Hammers	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	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	✓	✓	✓	✓	✓

HCS70/55 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		**Reach**		**Reach**		**HD Reach**
Stick Length		**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6")**	**R3.9 (12'10")**	**R2.9 (9'6") TRS**
Hydraulic Hammers	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	G318	✓		✓		✓
	G318 WH-800	✓		✓		✓
	G318 WH-1100	✓		✓		✓
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P318 Primary Pulverizer	✓		✓		✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

(continued on next page)

Attachments Offering Guide *(continued)*

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

✓ Match | † Allowed usage on machine less than 50% | No Match

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)		5.4 mt (11,900 lb)		
Boom Type		Reach		Reach		HD Reach
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 G S	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓
	H120 GC S	✓†		✓†		✓
	H120 S	✓†		✓†		✓

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 (HCS70/55 TOP / HCS70/55 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)	5.4 mt (11,900 lb)	
Boom Type		Reach	Reach	HD Reach
Stick Length		R2.9 (9'6")	R2.9 (9'6")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 S	✓	✓	✓
	H120 S	✓†	✓†	✓

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)	5.4 mt (11,900 lb)	
Boom Type		Reach	Reach	Reach HD
Mobile Scrap and Demolition Shears	S2050	✓	✓	✓
	S3035 Flat Top	✓	✓	✓

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

(continued on next page)

Thumb Specifications

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

✓ Match No Match

Bucket Type	Tooth Quantity	Width mm	Width in	Pro Plus Pin-On	Pro Plus Cat Pin Grabber	Pro Pin-On	Pro Cat Pin Grabber	Still Link Pin-On	Still Link Cat Pin Grabber	Utility Pin-On	Utility Cat Pin Grabber
General Duty	5	902	36	✓	✓	✓	✓	✓	✓	✓	✓
	5	1056	42	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	48	✓	✓	✓	✓	✓	✓	✓	✓
	7	1350	54	✓	✓	✓	✓	✓	✓	✓	✓
Heavy Duty	5	902	36	✓	✓	✓	✓	✓	✓	✓	✓
	5	1056	42	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	48	✓	✓	✓	✓	✓	✓	✓	✓
	7	1350	54	✓	✓	✓	✓	✓	✓	✓	✓
Heavy Duty Power	5	1056	42	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	48				✓	✓	✓	✓	✓
Severe Duty	5	902	36	✓	✓	✓	✓	✓	✓	✓	✓
	5	1056	42	✓	✓	✓	✓	✓	✓	✓	✓
	6	1208	48	✓	✓	✓	✓	✓	✓	✓	✓
Pin Grabber Performance Buckets	5	902	36		✓					✓	✓
	5	1056	42		✓		✓			✓	✓
	6	1208	48		✓					✓	✓
	7	1350	54							✓	✓

Standard and Optional Equipment

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

	Standard	Optional
CAB		
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	✓	
51 mm (2") seat belt	✓	
Monitor integrated Bluetooth® radio with USB/Auxilary ports	✓	
12V DC outlets	✓	
Document storage	✓	
Overhead storage and rear storage with nets	✓	
Beverage holder	✓	
Cup holder	✓	
Openable two-piece front window	✓	
Rear window emergency exit	✓	
Radial wiper with washer	✓	
Openable polycarbonate skylight hatch	✓	
LED dome light	✓	
Floor welcome light	✓	
Roof sunscreen	✓	
Roller front sunscreen	✓	
Roller rear sunscreen		✓
Washable floor mat	✓	
Beacon ready	✓	
Cat Stick Steer		✓

	Standard	Optional
ENGINE		
Cat C7.1 single turbo diesel engine	✓	
Three selectable power modes	✓	
Auto engine speed control	✓	
Auto engine idle shutdown	✓	
Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓	
52° C (125° F) high-ambient cooling capacity	✓	
Cold starting capability for –18° C (0° F)	✓	
Cold starting capability for –32° C (–25° F)		✓
Double element air filter with integrated pre-cleaner	✓	
Electric fuel priming pump	✓	
Electric cooling fans with auto-reverse function	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Boom and stick lowering check valves		✓
Heavy lift configuration		✓
Electronic main control valve	✓	
Auto Dig Boost[1]	✓	
Auto heavy lift[2]	✓	
Auto warm up	✓	
Auto two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Element type main hydraulic filter	✓	
Slider joysticks	✓	
Tandem type electronic main pump	✓	
Fine swing control	✓	
Hammer return filter circuit		✓
Hydraulic efficiency monitoring		✓
Advanced Tool Control (two pump, one/two way high-pressure flow)		✓
Medium pressure auxiliary circuit		✓

[1]Requires heavy lift valve; not available for Super Long Reach.

[2]Not available for Super Long Reach.

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
UNDERCARRIAGE AND STRUCTURES		
790 mm (31 in) HD triple grouser track shoes	✓	
600 mm (24 in) single grouser track shoes		✓
Tie-down points on base frame	✓	
Segmented track guiding guards	✓	
Full-length track guiding guards		✓
HD bottom guard	✓	
Swivel guard		✓
HD travel motor guards	✓	
Grease lubricated track links	✓	
4.2 mt (9,260 lb) counterweight		✓
5.4 mt (11,900 lb) counterweight	✓	
BOOMS, STICKS AND LINKAGES		
5.7 m (18'8") Reach boom		✓
5.7 m (18'8") HD Reach boom		✓
8.85 m (29'0") Super Long Reach boom		✓
2.9 m (9'6") Reach stick		✓
2.9 m (9'6") HD Thumb Ready Reach stick		✓
3.9 m (12'10") Reach stick		✓
6.28 m (20'7") Super Long Reach stick		✓
Bucket linkage, B1-type with lifting eye, Cat Grade		✓
Bucket linkage, A-type, with lifting eye		✓

	Standard	Optional
ELECTRICAL SYSTEM		
1,000 CCA maintenance-free batteries (×2)	✓	
Centralized electrical disconnect switch	✓	
Programmable time-delay LED working lights	✓	
LED chassis light, left hand (LH) and right hand (RH) boom lights, cab lights	✓	
Premium surround lighting package		✓

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[3]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– Work tool recognition and tracking (PL161)	✓	
– Operator Coaching		✓[4]
Cat Grade:		
– Cat Grade with 2D	✓[5]	
– 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		✓[6]
Cat Assist:[5]		
– Grade Assist	✓	
– Boom Assist	✓	
– Bucket Assist	✓	
– Swing Assist	✓	
– Lift Assist	✓	
Cat Payload:[5]		
– On-the-go weighing	✓	
– Semiautomatic calibration	✓	
– Payload/cycle information	✓	
– VisionLink back office reporting		✓[6]
Cat Advanced Payload:		
– Daily totals		✓
– Custom lists		✓
– Smart weight target		✓
– E-ticket integration		✓[6]
Other:		
Cat Tiltrotator (TRS) integration		✓

[3]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.

[4]VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

[5]Optional on machines equipped with a Super Long Reach boom and stick.

[6]VisionLink subscription required. Consult your Cat dealer for details.

	Standard	Optional
SERVICE AND MAINTENANCE		
S·O·S℠ ports	✓	
QuickEvac™ maintenance ready		✓
Grouped location for engine oil and fuel filters	✓	
Ground-level second dipstick for engine oil	✓	
Radiator screen		✓
Integrated vehicle health management system	✓	
SAFETY AND SECURITY		
Cat Command (remote control)		✓
2D E-Fence:[5] – E-ceiling – E-floor – E-swing – E-wall – E-cab avoidance	✓	
Auto hammer stop	✓	
Rearview and right-hand-sideview 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		✓
RH handrail and handhold	✓	
Travel alarm	✓	
Inspection lighting		✓

Dealer Installed Kit 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
- Tool box
- 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

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

323 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® C7.1 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 CO_2 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 CO_2 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) – 100 dB(A)

ISO 6396:2008 (inside cab) – 70 dB(A)

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

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	84.28%
Iron	4.95%
Nonferrous Metal	2.37%
Mixed Metal	1.45%
Mixed-Metal and Nonmetal	0.94%
Plastic	1.19%
Rubber	0.17%
Mixed Nonmetallic	0.21%
Fluid	2.94%
Other	1.50%
Uncategorized	0.00%
Total	100%

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

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

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

Recyclability – 98%

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