

320
Hydraulic Excavator

Technical Specifications

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

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320 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1	
Net Power (ISO 9249)	117 kW	157 hp/ 159 metric hp
Engine Power (ISO 14396)	118 kW	158 hp/ 160 metric hp
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in³
Biodiesel Capability	Up to B20[1]	

- Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,800 rpm.

[1]Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:

- ✓ 100% 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.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

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

Swing Mechanism

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

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

Weights

Operating Weight	21 300 kg	47,000 lb

- Heavy Duty (HD) Reach boom, HD R2.9 (9'6") stick, HD 1.19 m³ (1.56 yd³) bucket, 600 mm (24") triple grouser shoes, and 3.7 mt (8,200 lb) counterweight.

Operating Weight	21 800 kg	48,100 lb

- HD Reach boom, HD R2.9 (9'6") stick, HD 1.19 m³ (1.56 yd³) bucket, 600 mm (24") triple grouser shoes, and 4.2 mt (9,300 lb) counterweight.

Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm 790 mm	28 in 31 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	205 kN	45,996 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 × 2 pumps)	113 gal/min (57 × 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	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

Service Refill Capacities

Fuel Tank Capacity	345 L	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

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

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).

Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes				700 mm (28") Triple Grouser Shoes				790 mm (31") Triple Grouser Shoes			
	Weight		Ground Pressure		Weight		Ground Pressure		Weight		Ground Pressure	
Base Machine Configurations	**kg**	**lb**	**kPa**	**psi**	**kg**	**lb**	**kPa**	**psi**	**kg**	**lb**	**kPa**	**psi**
Base Frame with HD Track Rollers and Standard Carrier Rollers												
3.7 mt (8,200 lb) Counterweight + Long Undercarriage Base Machine												
HD Reach Boom + HD R2.9 (9'6") Stick + 1.19 m³ (1.56 yd³) HD Bucket	21 300	47,000	44.3	6.4	21 700	47,800	38.7	5.6	22 000	48,500	34.8	5.0
HD Base Frame with SD Track Rollers and Standard Carrier Rollers												
4.2 mt (9,300 lb) Counterweight + Long Undercarriage Base Machine												
HD Reach Boom + HD R2.9 (9'6") Stick + 1.19 m³ (1.56 yd³) HD Bucket	21 800	48,100	45.3	6.6	22 200	49,000	39.6	5.7	22 500	49,600	35.5	5.2

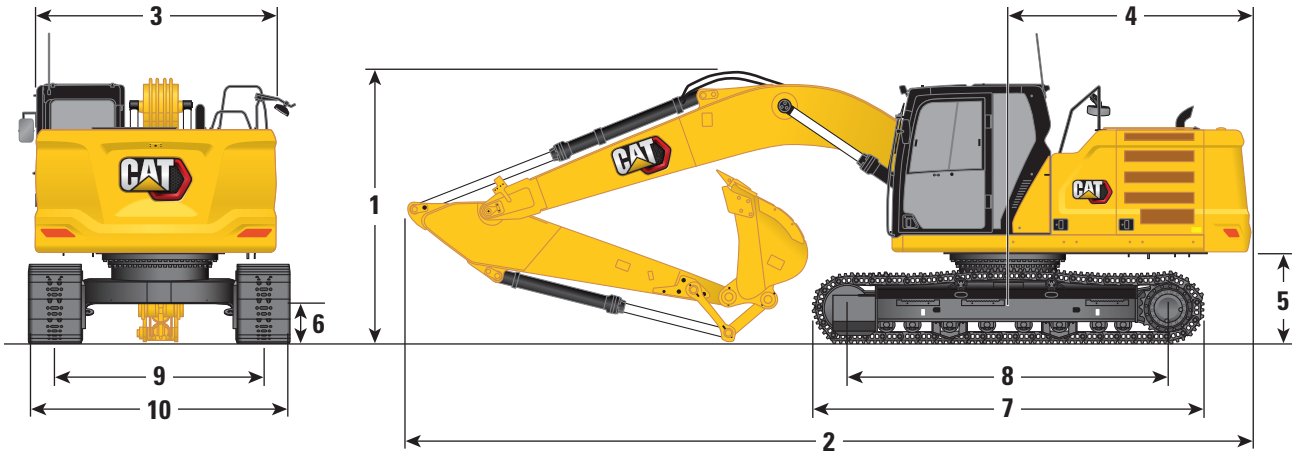
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

Major Component Weights

	kg	lb
Base Machine (with 3.7 mt [8,200 lb] counterweight, standard swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 010	30,900
Base Machine (with 4.2 mt [9,300 lb] counterweight, semi-HD swing frame, HD Base frame with SD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 560	32,100
Base Machine (with 4.2 mt [9,300 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 540	32,000
Base Machine (with 4.7 mt [10,400 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	15 040	33,100
Track Shoes:		
600 mm (24") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	2690	5,900
700 mm (28") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes	3050	6,700
790 mm (31") Width, 10 mm (0.39") Thick Triple Grouser Track Shoes with Step Extension	3370	7,400
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweights:		
3.7 mt (8,200 lb) Counterweight	3700	8,200
4.2 mt (9,300 lb) Counterweight	4200	9,300
4.7 mt (10,400 lb) Counterweight (Super Long Reach [SLR] only)	4700	10,400
Swing Frames:		
Standard Swing Frame	1890	4,170
Semi-HD Swing Frame	1910	4,210
Undercarriages:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4390	9,680
HD Base Frame with SD Track Rollers and Standard Carrier Rollers	4410	9,720
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 5.7 m (18'8")	1900	4,200
Super Long Reach Boom 8.85 m (29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
HD Reach Stick R2.9B1 (9'6")	1100	2,400
HD Reach Stick R2.5B1 (8'2")	1060	2,300
Super Long Reach Stick 6.28A (20'7")	1340	3,000
Buckets (without linkage):		
1.19 m^3 (1.56 yd^3) General Duty (GD)	800	1,800
1.19 m^3 (1.56 yd^3) HD	940	2,100
0.57 m^3 (0.74 yd^3) Ditch Cleaning (DC)	390	850
0.53 m^3 (0.69 yd^3) GD	410	900
Quick Couplers (QC):		
Universal QC	230	500
Pin Grabber QC	390	850

Dimensions

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

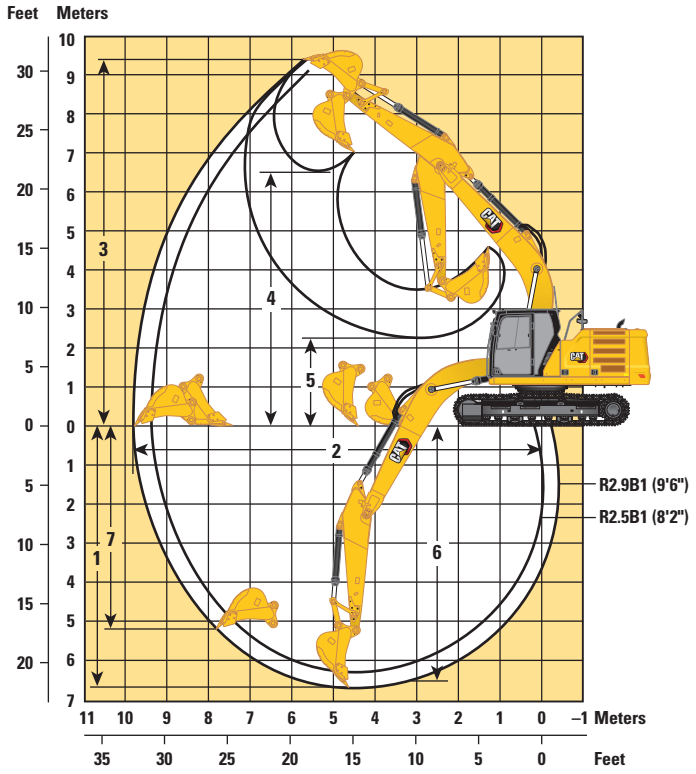


Boom Options	HD Reach Boom 5.7 m (18'8")				SLR Boom 8.85 m (29'0")	
Stick Options	HD Reach Sticks R2.9B1 (9'6")		R2.5B1 (8'2")		SLR Stick 6.28A (20'7")	
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3180 mm	10'1"	3190 mm	10'6"
With Boom/Stick Installed	2910 mm	9'7"	2910 mm	9'7"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"	2650 mm	8'8"
2 Machine Length:						
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm	31'3"	12 750 mm	41'10"
With Boom/Stick Installed	9500 mm	31'2"	9500 mm	31'2"	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	7'9"	2380 mm	7'9"	2380 mm	7'9"
10 Undercarriage Width:						
600 mm (24") Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
700 mm (28") Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
790 mm (31") 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"	1220 mm	4'0"

320 Hydraulic Excavator Specifications

Working Ranges

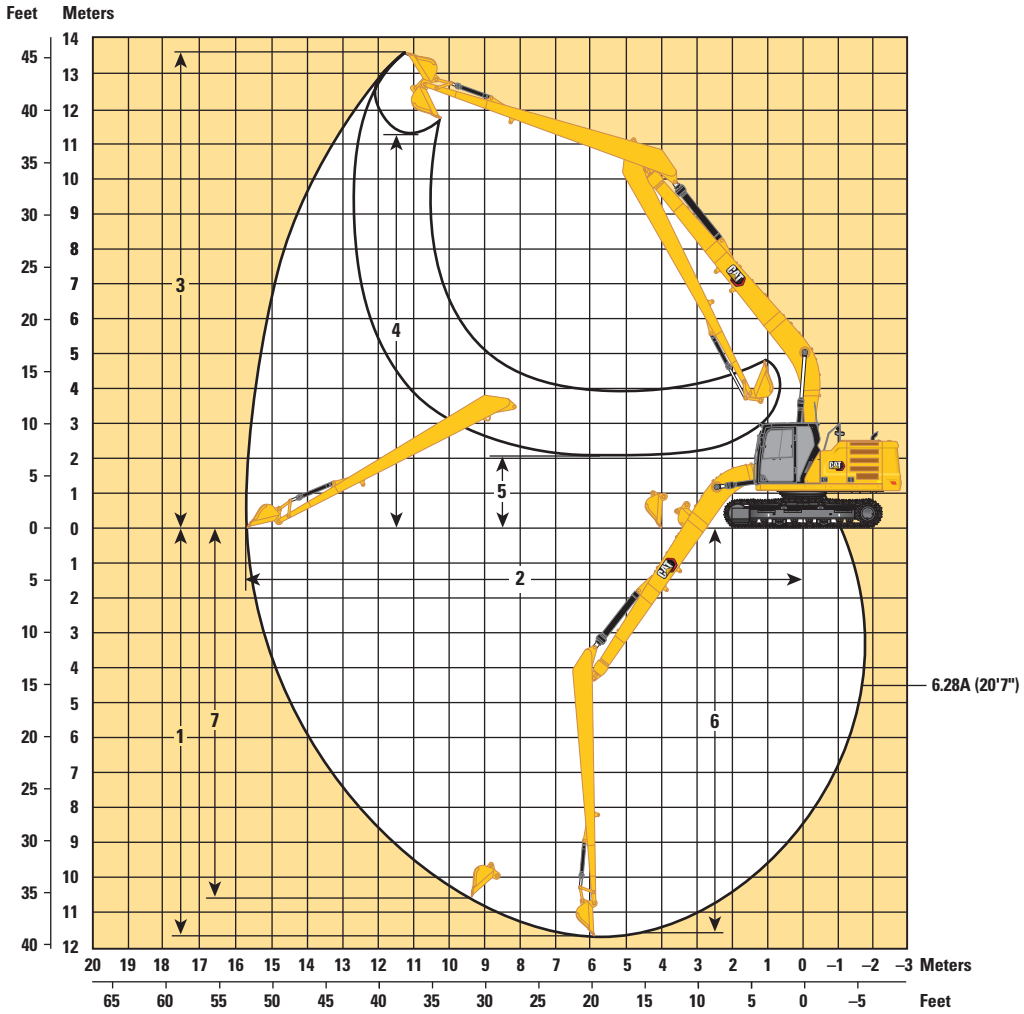
All dimensions are approximate and may vary depending on bucket selection.



Boom Option	HD Reach Boom 5.7 m (18'8")			
Stick Options	HD Reach Sticks			
	R2.9B1 (9'6")		R2.5B1 (8'2")	
1 Maximum Digging Depth	6720 mm	22'1"	6300 mm	20'8"
2 Maximum Reach at Ground Line	9860 mm	32'4"	9470 mm	31'1"
3 Maximum Cutting Height	9370 mm	30'9"	9170 mm	30'1"
4 Maximum Loading Height	6490 mm	21'4"	6290 mm	20'8"
5 Minimum Loading Height	2170 mm	7'1"	2590 mm	8'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 mm	21'6"	6110 mm	20'1"
7 Maximum Vertical Wall Digging Depth	5190 mm	17'0"	4800 mm	15'9"
Bucket Digging Force (ISO)	150 kN	33,811 lbf	150 kN	33,811 lbf
Stick Digging Force (ISO)	106 kN	23,911 lbf	118 kN	26,491 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	163 kN	36,709 lbf	163 kN	36,709 lbf
Stick Digging Force (ISO) – Auto Dig Boost	115 kN	25,960 lbf	128 kN	28,762 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)*

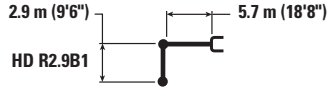
All dimensions are approximate and may vary depending on bucket selection.

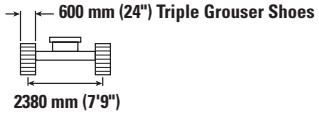


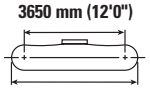
Boom Option	SLR Boom 8.85 m (29'0")	
Stick Option	**SLR Stick 6.28A (20'7")**	
1 Maximum Digging Depth	11 690 mm	38'4"
2 Maximum Reach at Ground Line	15 730 mm	51'7"
3 Maximum Cutting Height	13 610 mm	44'8"
4 Maximum Loading Height	11 290 mm	37'0"
5 Minimum Loading Height	2080 mm	6'10"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 590 mm	38'0"
7 Maximum Vertical Wall Digging Depth	10 560 mm	34'8"
Bucket Digging Force (ISO)	60 kN	13,549 lbf
Stick Digging Force (ISO)	49 kN	10,935 lbf
Bucket Type	GD	
Bucket Capacity	0.53 m^3	0.69 yd^3
Bucket Tip Radius	1230 mm	4'0"

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HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

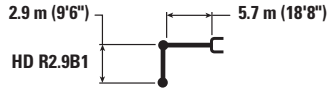


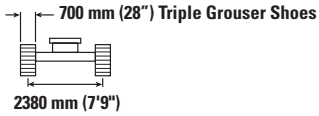


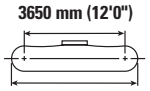


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	5100 10,900			*3900 *8,600	3650 8,100	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	4900 10,600	5350 11,500	3400 7,300	*3800 *8,400	3050 6,750	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7150 15,450	*6700 *14,500	4650 10,050	5250 11,250	3300 7,100	*3900 *8,600	2800 6,100	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	6600 14,250	7150 15,400	4400 9,450	5100 10,950	3200 6,850	*4150 *9,100	2650 5,850	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	11 000 23,600	6300 13,550	6950 14,950	4200 9,050	5000 10,750	3100 6,650	4350 9,550	2700 5,950	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 25,700	10 900 23,350	6200 13,350	6850 14,750	4150 8,900	4950 10,650	3050 6,600	4700 10,400	2900 6,450	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	12 200 26,150	*10 700 *23,100	6250 13,500	6900 14,850	4150 8,950			5600 12,400	3450 7,650	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6500 14,000					*6550 *14,350	4800 10,800	5600 220

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 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							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	5150 11,000			*3900 *8,600	3650 8,200	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	4950 10,700	5400 11,600	3450 7,400	*3800 *8,400	3100 6,850	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7250 15,600	*6700 *14,500	4700 10,150	5300 11,350	3350 7,200	*3900 *8,600	2800 6,200	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	6700 14,400	7250 15,550	4450 9,550	5150 11,050	3200 6,900	*4150 *9,100	2700 5,900	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	11 100 23,850	6350 13,700	7000 15,100	4250 9,150	5050 10,850	3150 6,700	4400 9,650	2750 6,000	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 26,000	11 000 23,600	6300 13,500	6950 14,900	4200 9,000	5000 10,800	3100 6,650	4750 10,500	2950 6,500	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	12 350 26,450	*10 700 *23,100	6350 13,650	6950 15,000	4200 9,050			5650 12,550	3500 7,700	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6550 14,150					*6550 *14,350	4850 10,900	5600 220

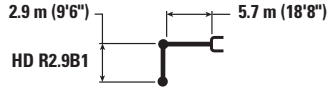
* ISO 10567:2007

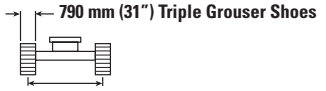
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

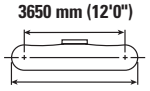
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

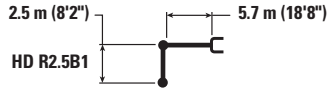


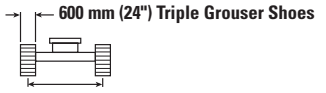


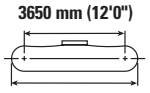


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm **300 in**	kg **lb**							*4850	*4850			*4200 ***9,350**	*4200 ***9,350**	6150 **240**
6000 mm **240 in**	kg **lb**							*5300 ***11,650**	5200 **11,150**			*3900 ***8,600**	3700 **8,300**	7290 **290**
4500 mm **180 in**	kg **lb**							*5850 ***12,700**	5050 **10,800**	*5500 **11,750**	3500 **7,500**	*3800 ***8,400**	3150 **6,950**	7990 **320**
3000 mm **120 in**	kg **lb**					*8550 ***18,350**	7300 **15,800**	*6700 ***14,500**	4750 **10,250**	5350 **11,500**	3400 **7,300**	*3900 ***8,600**	2850 **6,250**	8360 **330**
1500 mm **60 in**	kg **lb**					*10 350 ***22,300**	6750 **14,600**	7350 **15,750**	4500 **9,700**	5250 **11,250**	3250 **7,000**	*4150 ***9,100**	2750 **6,000**	8450 **340**
0 mm **0 in**	kg **lb**			*6700 ***15,400**	*6700 ***15,400**	11 300 **24,150**	6450 **13,900**	7150 **15,300**	4350 **9,300**	5100 **11,000**	3200 **6,800**	4450 **9,800**	2800 **6,100**	8260 **330**
–1500 mm **–60 in**	kg **lb**	*7200 ***16,050**	*7200 ***16,050**	*11 650 ***26,400**	*11 650 **26,350**	11 150 **23,900**	6350 **13,700**	7050 **15,100**	4250 **9,100**	5100 **10,950**	3150 **6,750**	4850 **10,650**	3000 **6,600**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*12 350 ***27,700**	*12 350 ***27,700**	*15 150 ***32,850**	12 500 **26,800**	*10 700 ***23,100**	6450 **13,850**	7050 **15,200**	4300 **9,200**			5750 **12,750**	3550 **7,850**	6950 **280**
–4500 mm **–180 in**	kg **lb**			*12 050 ***25,850**	*12 050 ***25,850**	*8700 ***18,450**	6650 **14,350**					*6550 ***14,350**	4900 **11,100**	5600 **220**

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm **300 in**	kg **lb**									*5100 ***11,350**	*5100 ***11,350**	5600 **220**
6000 mm **240 in**	kg **lb**					*5800 ***12,700**	5050 **10,800**			*4700 ***10,350**	4050 **9,000**	6830 **270**
4500 mm **180 in**	kg **lb**			*7300 ***15,700**	*7300 ***15,700**	*6250 ***13,600**	4900 **10,500**	*5150	3400	*4600 ***10,100**	3350 **7,400**	7570 **300**
3000 mm **120 in**	kg **lb**			*9150 ***19,700**	7050 **15,200**	*7050 ***15,300**	4650 **9,950**	5250 **11,200**	3300 **7,100**	*4700 ***10,350**	3000 **6,600**	7960 **320**
1500 mm **60 in**	kg **lb**			*10 800 ***23,300**	6550 **14,100**	7150 **15,350**	4400 **9,450**	5100 **11,000**	3200 **6,900**	4600 **10,100**	2900 **6,350**	8050 **320**
0 mm **0 in**	kg **lb**			11 000 **23,600**	6300 **13,600**	6950 **15,000**	4250 **9,100**	5050 **10,800**	3150 **6,750**	4700 **10,350**	2950 **6,450**	7860 **310**
–1500 mm **–60 in**	kg **lb**	*12 250 ***27,900**	12 200 **26,100**	10 950 **23,500**	6300 **13,500**	6900 **14,850**	4200 **9,000**			5150 **11,400**	3200 **7,050**	7350 **290**
–3000 mm **–120 in**	kg **lb**	*14 250 ***30,900**	12 450 **26,600**	*10 350 ***22,350**	6400 **13,700**	7000 **15,050**	4250 **9,200**			6300 **14,000**	3900 **8,600**	6470 **260**
–4500 mm **–180 in**	kg **lb**			*7700 ***16,150**	6650 **14,400**					*6650 ***14,600**	5800 **13,150**	4980 **200**

* **ISO 10567:2007**

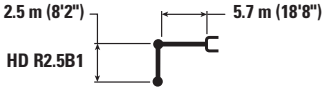
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

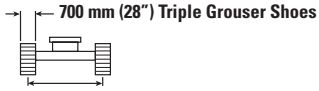
Lift capacity stays with ±5% for all available track shoes.

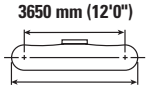
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On

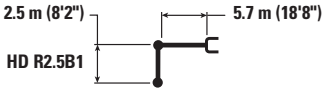


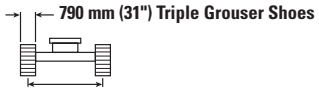


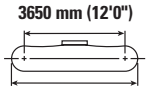


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5100 10,900			*4700 *10,350	4050 9,100	6830 270
4500 mm 180 in	kg lb			*7300 *15,700	*7300 *15,700	*6250 *13,600	4900 10,600	*5150	3450	*4600 *10,100	3400 7,450	7570 300
3000 mm 120 in	kg lb			*9150 *19,700	7100 15,350	*7050 *15,300	4700 10,050	5300 11,350	3350 7,150	*4700 *10,350	3050 6,700	7960 320
1500 mm 60 in	kg lb			*10 800 *23,300	6600 14,250	7200 15,500	4450 9,550	5150 11,100	3250 6,950	4650 10,200	2900 6,400	8050 320
0 mm 0 in	kg lb			11 100 23,850	6400 13,750	7050 15,150	4300 9,200	5100 10,950	3150 6,800	4750 10,450	2950 6,550	7860 310
–1500 mm –60 in	kg lb	*12 250 *27,900	*12 250 26,350	11 100 23,750	6350 13,650	7000 15,000	4250 9,100			5250 11,500	3250 7,150	7350 290
–3000 mm –120 in	kg lb	*14 250 *30,900	12 550 26,850	*10 350 *22,350	6450 13,850	7050 15,200	4300 9,300			6350 14,150	3950 8,700	6470 260
–4500 mm –180 in	kg lb			*7700 *16,150	6750 14,550					*6650 *14,600	5850 13,300	4980 200

HD Reach Boom Lift Capacities – Counterweight: 3.7 mt (8,200 lb) – without Bucket – Heavy Lift: On







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5800 *12,700	5150 11,000			*4700 *10,350	4100 9,200	6830 270
4500 mm 180 in	kg lb			*7300 *15,700	*7300 *15,700	*6250 *13,600	5000 10,700	*5150	3500	*4600 *10,100	3400 7,550	7570 300
3000 mm 120 in	kg lb			*9150 *19,700	7200 15,550	*7050 *15,300	4750 10,200	5350 11,500	3400 7,300	*4700 *10,350	3100 6,800	7960 320
1500 mm 60 in	kg lb			*10 800 *23,300	6700 14,450	7300 15,750	4500 9,700	5250 11,250	3300 7,050	4700 10,350	2950 6,500	8050 320
0 mm 0 in	kg lb			11 300 24,200	6500 13,950	7150 15,350	4350 9,350	5150 11,100	3200 6,900	4850 10,650	3000 6,650	7860 310
–1500 mm –60 in	kg lb	*12 250 *27,900	*12 250 26,750	11 250 24,050	6450 13,850	7100 15,250	4300 9,250			5300 11,700	3300 7,250	7350 290
–3000 mm –120 in	kg lb	*14 250 *30,900	12 700 27,250	*10 350 *22,350	6550 14,050	7150 15,450	4350 9,400			6450 14,350	4000 8,850	6470 260
–4500 mm –180 in	kg lb			*7700 *16,150	6850 14,750					*6650 *14,600	5950 13,450	4980 200

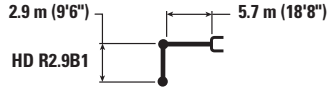
* ISO 10567:2007

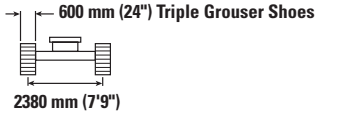
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

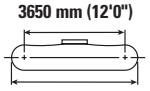
Lift capacity stays with ±5% for all available track shoes.

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

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

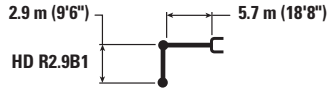


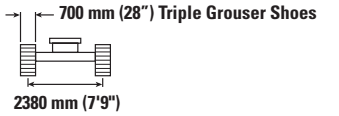


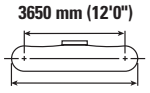


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	*5300 11,550			*3900 *8,600	3850 *8,600	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	5200 11,200	*5500 *12,000	3650 7,800	*3800 *8,400	3250 7,250	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7600 16,350	*6700 *14,500	4950 10,650	5500 11,850	3550 7,600	*3900 *8,600	3000 6,550	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	7050 15,150	7550 16,200	4700 10,100	5400 11,550	3400 7,350	*4150 *9,100	2850 6,300	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	*11 350 *24,500	6750 14,500	7350 15,750	4500 9,700	5300 11,350	3300 7,150	*4600 *10,100	2900 6,350	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 *26,400	*11 450 24,650	6650 14,300	7250 15,550	4450 9,550	5250 11,300	3300 7,050	5000 11,000	3150 6,900	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	13 050 27,900	*10 700 *23,100	6700 14,400	7300 15,650	4450 9,600			5900 13,100	3700 8,200	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	6950 14,950					*6550 *14,350	5150 11,550	5600 220

HD 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							*4850	*4850			*4200 *9,350	*4200 *9,350	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	*5300 *11,650			*3900 *8,600	*3900 *8,600	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	5250 11,300	*5500 *12,000	3700 7,900	*3800 *8,400	3300 7,300	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	7650 16,500	*6700 *14,500	5000 10,750	5600 11,950	3550 7,650	*3900 *8,600	3000 6,600	8360 330
1500 mm 60 in	kg lb					*10 350 *22,300	7100 15,300	*7600 16,400	4750 10,200	5450 11,700	3450 7,400	*4150 *9,100	2900 6,350	8450 340
0 mm 0 in	kg lb			*6700 *15,400	*6700 *15,400	*11 350 *24,500	6800 14,650	7400 15,900	4550 9,800	5350 11,450	3350 7,200	*4600 *10,100	2950 6,450	8260 330
–1500 mm –60 in	kg lb	*7200 *16,050	*7200 *16,050	*11 650 *26,400	*11 650 *26,400	*11 450 *24,750	6700 14,450	7300 15,700	4450 9,600	5300 11,400	3300 7,150	5050 11,100	3150 7,000	7780 310
–3000 mm –120 in	kg lb	*12 350 *27,700	*12 350 *27,700	*15 150 *32,850	13 150 28,150	*10 700 *23,100	6750 14,550	7350 15,800	4500 9,700			5950 13,250	3750 8,250	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,850	*12 050 *25,850	*8700 *18,450	7000 15,100					*6550 *14,350	5200 11,650	5600 220

* ISO 10567:2007

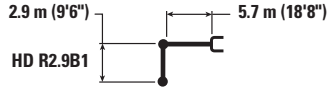
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

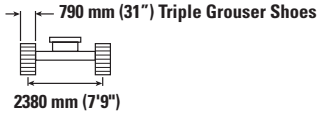
Lift capacity stays with ±5% for all available track shoes.

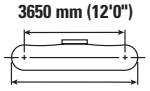
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

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

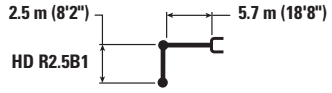


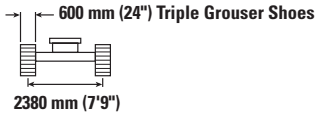


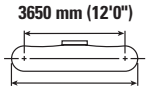


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm **300 in**	kg **lb**							*4850	*4850			*4200 ***9,350**	*4200 ***9,350**	6150 **240**
6000 mm **240 in**	kg **lb**							*5300 ***11,650**	*5300 ***11,650**			*3900 ***8,600**	*3900 ***8,600**	7290 **290**
4500 mm **180 in**	kg **lb**							*5850 ***12,700**	5350 **11,450**	*5500 ***12,000**	3750 **8,000**	*3800 ***8,400**	3350 **7,400**	7990 **320**
3000 mm **120 in**	kg **lb**					*8550 ***18,350**	7750 **16,700**	*6700 ***14,500**	5050 **10,900**	5650 **12,150**	3600 **7,750**	*3900 ***8,600**	3050 **6,700**	8360 **330**
1500 mm **60 in**	kg **lb**					*10 350 ***22,300**	7200 **15,500**	*7600 ***16,450**	4800 **10,350**	5500 **11,850**	3500 **7,500**	*4150 ***9,100**	2950 **6,450**	8450 **340**
0 mm **0 in**	kg **lb**			*6700 ***15,400**	*6700 ***15,400**	*11 350 ***24,500**	6900 **14,850**	7500 **16,150**	4600 **9,950**	5400 **11,650**	3400 **7,300**	*4600 ***10,100**	3000 **6,550**	8260 **330**
–1500 mm **–60 in**	kg **lb**	*7200 ***16,050**	*7200 ***16,050**	*11 650 ***26,400**	*11 650 ***26,400**	*11 450 ***24,750**	6800 **14,600**	7400 **15,950**	4550 **9,750**	5350 **11,550**	3350 **7,250**	5100 **11,250**	3200 **7,100**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*12 350 ***27,700**	*12 350 ***27,700**	*15 150 ***32,850**	13 300 **28,500**	*10 700 ***23,100**	6850 **14,750**	7450 **16,050**	4550 **9,850**			6050 **13,450**	3800 **8,400**	6950 **280**
–4500 mm **–180 in**	kg **lb**			*12 050 ***25,850**	*12 050 ***25,850**	*8700 ***18,450**	7100 **15,300**					*6550 ***14,350**	5250 **11,800**	5600 **220**

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







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm **300 in**	kg **lb**									*5100 ***11,350**	*5100 ***11,350**	5600 **220**
6000 mm **240 in**	kg **lb**					*5800 ***12,700**	5350 **11,400**			*4700 ***10,350**	4300 **9,550**	6830 **270**
4500 mm **180 in**	kg **lb**			*7300 ***15,700**	*7300 ***15,700**	*6250 ***13,600**	5150 **11,100**	*5150	3600	*4600 ***10,100**	3550 **7,900**	7570 **300**
3000 mm **120 in**	kg **lb**			*9150 ***19,700**	7500 **16,150**	*7050 ***15,300**	4950 **10,600**	5500 **11,850**	3550 **7,600**	*4700 ***10,350**	3200 **7,100**	7960 **320**
1500 mm **60 in**	kg **lb**			*10 800 ***23,300**	7000 **15,050**	7550 **16,200**	4700 **10,100**	5400 **11,600**	3450 **7,350**	4850 **10,700**	3100 **6,800**	8050 **320**
0 mm **0 in**	kg **lb**			*11 500 **24,900**	6750 **14,500**	7350 **15,800**	4550 **9,750**	5300 **11,450**	3350 **7,200**	5000 **10,950**	3150 **6,900**	7860 **310**
–1500 mm **–60 in**	kg **lb**	*12 250 ***27,900**	*12 250 **27,850**	*11 350 ***24,650**	6700 **14,450**	7300 **15,700**	4500 **9,650**			5450 **12,050**	3450 **7,600**	7350 **290**
–3000 mm **–120 in**	kg **lb**	*14 250 ***30,900**	13 250 **28,350**	*10 350 ***22,350**	6800 **14,650**	7400 **15,900**	4550 **9,850**			6650 **14,750**	4150 **9,200**	6470 **260**
–4500 mm **–180 in**	kg **lb**			*7700 ***16,150**	7100 **15,350**					*6650 ***14,600**	6200 **14,000**	4980 **200**

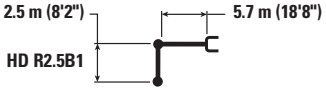
* **ISO 10567:2007**

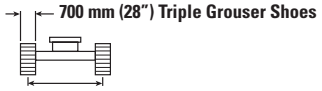
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

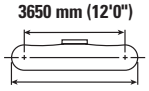
Lift capacity stays with ±5% for all available track shoes.

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

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

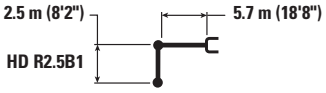


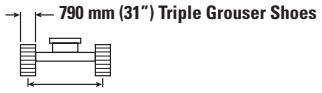


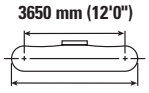


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm **300 in**	kg **lb**									*5100 ***11,350**	*5100 ***11,350**	5600 **220**
6000 mm **240 in**	kg **lb**					*5800 ***12,700**	5350 **11,500**			*4700 ***10,350**	4300 **9,650**	6830 **270**
4500 mm **180 in**	kg **lb**			*7300 ***15,700**	*7300 ***15,700**	*6250 ***13,600**	5200 **11,200**	*5150	3650	*4600 ***10,100**	3600 **7,950**	7570 **300**
3000 mm **120 in**	kg **lb**			*9150 ***19,700**	7550 **16,250**	*7050 ***15,300**	5000 **10,700**	5550 **11,950**	3550 **7,650**	*4700 ***10,350**	3250 **7,150**	7960 **320**
1500 mm **60 in**	kg **lb**			*10 800 ***23,300**	7050 **15,200**	7600 **16,350**	4750 **10,200**	5450 **11,700**	3450 **7,450**	4900 **10,800**	3150 **6,850**	8050 **320**
0 mm **0 in**	kg **lb**			*11 500 ***24,950**	6800 **14,650**	7450 **15,950**	4600 **9,850**	5350 **11,550**	3400 **7,300**	5050 **11,050**	3200 **7,000**	7860 **310**
–1500 mm **–60 in**	kg **lb**	*12 250 ***27,900**	*12 250 ***27,900**	*11 350 ***24,650**	6800 **14,550**	7350 **15,850**	4550 **9,750**			5500 **12,150**	3500 **7,650**	7350 **290**
–3000 mm **–120 in**	kg **lb**	*14 250 ***30,900**	13 350 **28,600**	*10 350 ***22,350**	6900 **14,800**	7450 **16,050**	4600 **9,900**			6700 **14,900**	4200 **9,300**	6470 **260**
–4500 mm **–180 in**	kg **lb**			*7700 ***16,150**	7150 **15,500**					*6650 ***14,600**	6250 **14,150**	4980 **200**

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







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm **300 in**	kg **lb**									*5100 ***11,350**	*5100 ***11,350**	5600 **220**
6000 mm **240 in**	kg **lb**					*5800 ***12,700**	5450 **11,650**			*4700 ***10,350**	4350 **9,750**	6830 **270**
4500 mm **180 in**	kg **lb**			*7300 ***15,700**	*7300 ***15,700**	*6250 ***13,600**	5300 **11,350**	*5150	3700	*4600 ***10,100**	3650 **8,050**	7570 **300**
3000 mm **120 in**	kg **lb**			*9150 ***19,700**	7650 **16,450**	*7050 ***15,300**	5050 **10,850**	5650 **12,100**	3600 **7,750**	*4700 ***10,350**	3300 **7,250**	7960 **320**
1500 mm **60 in**	kg **lb**			*10 800 ***23,300**	7150 **15,400**	7700 **16,550**	4800 **10,350**	5550 **11,900**	3500 **7,550**	5000 **10,950**	3150 **6,950**	8050 **320**
0 mm **0 in**	kg **lb**			*11 500 ***24,950**	6900 **14,850**	7550 **16,200**	4650 **10,000**	5450 **11,700**	3450 **7,400**	5100 **11,200**	3250 **7,100**	7860 **310**
–1500 mm **–60 in**	kg **lb**	*12 250 ***27,900**	*12 250 ***27,900**	*11 350 ***24,650**	6850 **14,750**	7450 **16,050**	4600 **9,900**			5600 **12,350**	3550 **7,750**	7350 **290**
–3000 mm **–120 in**	kg **lb**	*14 250 ***30,900**	13 550 **28,950**	*10 350 ***22,350**	6950 **15,000**	7550 **16,250**	4650 **10,050**			6800 **15,050**	4250 **9,400**	6470 **260**
–4500 mm **–180 in**	kg **lb**			*7700 ***16,150**	7250 **15,700**					*6650 ***14,600**	6300 **14,300**	4980 **200**

* **ISO 10567:2007**

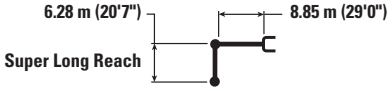
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

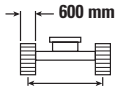
Lift capacity stays with ±5% for all available track shoes.

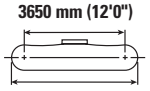
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1200 **2,650**	14 340 **570**
3000 mm **120 in**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 **7,800**	*1300 ***2,900**	1150 **2,500**	14 550 **580**
1500 mm **60 in**	kg **lb**					*6750 ***15,950**	6400 **13,800**	*5250 ***11,300**	4400 **9,550**	*4100 ***8,850**	3250 **7,050**	*1400 ***3,000**	1100 **2,400**	14 600 **580**
0 mm **0 in**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	3950 **8,550**	*4550 ***9,800**	3000 **6,400**	*1450 ***3,200**	1100 **2,350**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	3700 **7,950**	4750 **10,200**	2750 **5,950**	*1550 ***3,450**	1100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 **11,450**	6350 **13,650**	3550 **7,650**	4600 **9,900**	2650 **5,700**	*1750 ***3,800**	1150 **2,450**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	5350 **11,500**	6300 **13,550**	3500 **7,550**	4550 **9,800**	2600 **5,550**	*1950 ***4,300**	1200 **2,650**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	5450 **11,750**	*6150 ***13,250**	3550 **7,650**	4550 **9,850**	2600 **5,600**	*2300 ***5,100**	1350 **3,000**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	5650 **12,200**	*5650 ***12,150**	3700 **7,900**	*4550 ***9,750**	2700 **5,750**	*2700 ***5,950**	1600 **3,550**	11 240 **440**
–9000 mm **–360 in**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	5950 **12,800**	*4850 ***10,350**	3850 **8,350**	*3900 ***8,300**	2800 **6,100**	*2700 ***5,900**	2000 **4,550**	9800 **380**

* **ISO 10567:2007**

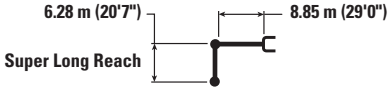
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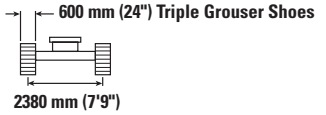
Lift capacity stays with ±5% for all available track shoes.

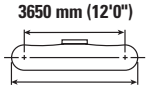
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	1950 **4,050**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1900 **4,050**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**			*2400 ***5,200**	*2400 **5,150**	*2300 ***5,000**	1850 **3,950**	*2100 ***3,700**	1450 **3,050**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2300 **4,850**	*2400 ***5,200**	1800 **3,800**	2300 **4,900**	1400 **2,950**	*1300 ***2,800**	1200 **2,650**	14 340 **570**
3000 mm **120 in**	kg **lb**	*3100 ***6,750**	2750 **5,900**	*2800 ***6,000**	2150 **4,550**	*2550 ***5,500**	1700 **3,600**	2250 **4,750**	1350 **2,850**	*1300 ***2,900**	1150 **2,500**	14 550 **580**
1500 mm **60 in**	kg **lb**	*3450 ***7,400**	2500 **5,400**	*3000 ***6,450**	2000 **4,250**	2650 **5,650**	1600 **3,400**	2150 **4,650**	1300 **2,700**	*1400 ***3,000**	1100 **2,400**	14 600 **580**
0 mm **0 in**	kg **lb**	*3700 ***8,050**	2350 **5,000**	3100 **6,650**	1850 **3,950**	2550 **5,450**	1500 **3,200**	2100 **4,500**	1250 **2,600**	*1450 ***3,200**	1100 **2,350**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	3700 **7,950**	2200 **4,650**	3000 **6,400**	1750 **3,750**	2450 **5,300**	1450 **3,050**	2050 **4,450**	1200 **2,500**	*1550 ***3,450**	1100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	3600 **7,700**	2100 **4,450**	2900 **6,250**	1700 **3,600**	2400 **5,200**	1400 **2,950**	2050 ***4,200**	1150 **2,500**	*1750 ***3,800**	1150 **2,450**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	3550 **7,600**	2050 **4,350**	2850 **6,150**	1650 **3,500**	2400 **5,150**	1350 **2,950**			*1950 ***4,300**	1200 **2,650**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	3550 **7,600**	2050 **4,350**	2900 **6,200**	1650 **3,550**	2450 **5,250**	1400 **3,000**			*2300 ***5,100**	1350 **3,000**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	3600 **7,750**	2100 **4,500**	2950 **6,350**	1700 **3,700**					*2700 ***5,950**	1600 **3,550**	11 240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2250 **4,850**							*2700 ***5,900**	2000 **4,550**	9800 **380**

* **ISO 10567:2007**

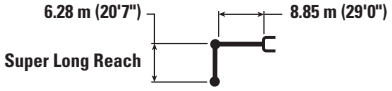
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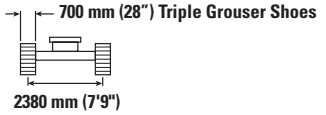
Lift capacity stays with ±5% for all available track shoes.

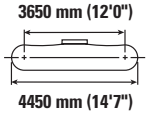
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1250 **2,700**	14 340 **570**
3000 mm **120 in**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 ***7,800**	*1300 ***2,900**	1150 **2,500**	14 550 **580**
1500 mm **60 in**	kg **lb**					*6750 ***15,950**	6450 **13,950**	*5250 ***11,300**	4450 **9,650**	*4100 ***8,850**	3300 **7,100**	*1400 ***3,000**	1100 **2,400**	14 600 **580**
0 mm **0 in**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4000 **8,650**	*4550 ***9,800**	3000 **6,500**	*1450 ***3,200**	1100 **2,400**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	3750 **8,050**	4800 **10,350**	2800 **6,050**	*1550 ***3,450**	1,100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 **11,600**	*6400 **13,800**	3600 **7,750**	4650 **10,050**	2700 **5,750**	*1750 ***3,800**	1150 **2,500**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	5400 **11,650**	*6400 **13,700**	3550 **7,650**	4600 **9,900**	2650 **5,650**	*1950 ***4,300**	1250 **2,700**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	5550 **11,900**	*6150 ***13,250**	3600 **7,750**	4650 **9,950**	2650 **5,700**	*2300 ***5,100**	1400 **3,050**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	5750 **12,350**	*5650 ***12,150**	3700 **8,000**	*4550 ***9,750**	2700 **5,850**	*2700 ***5,950**	1600 **3,600**	11 240 **440**
–9000 mm **–360 in**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	6000 **12,950**	*4850 ***10,350**	3900 **8,450**	*3900 ***8,300**	2850 **6,200**	*2700 ***5,900**	2050 **4,600**	9800 **380**

* **ISO 10567:2007**

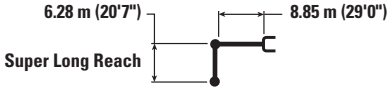
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

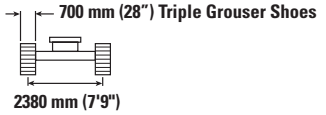
Lift capacity stays with ±5% for all available track shoes.

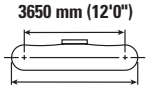
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	1950 **4,100**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1950 **4,100**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**			*2400 ***5,200**	*2400 **5,200**	*2300 ***5,000**	1900 **4,000**	*2100 ***3,700**	1450 **3,050**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2300 **4,900**	*2400 ***5,200**	1800 **3,850**	*2300 **4,950**	1400 **3,000**	*1300 ***2,800**	1250 **2,700**	14 340 **570**
3000 mm **120 in**	kg **lb**	*3100 ***6,750**	2750 **5,950**	*2800 ***6,000**	2150 **4,600**	*2550 ***5,500**	1700 **3,650**	2250 **4,850**	1350 **2,850**	*1300 ***2,900**	1150 **2,500**	14 550 **580**
1500 mm **60 in**	kg **lb**	*3450 ***7,400**	2550 **5,450**	*3000 ***6,450**	2000 **4,300**	2650 **5,700**	1600 **3,450**	2200 **4,700**	1300 **2,750**	*1400 ***3,000**	1100 **2,400**	14 600 **580**
0 mm **0 in**	kg **lb**	*3700 ***8,050**	2350 **5,050**	3150 **6,700**	1900 **4,000**	2550 **5,500**	1500 **3,250**	2150 **4,600**	1250 **2,650**	*1450 ***3,200**	1100 **2,400**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	3750 **8,050**	2200 **4,700**	3000 **6,450**	1750 **3,800**	2500 **5,350**	1450 **3,100**	2100 **4,500**	1200 **2,550**	*1550 ***3,450**	1,100 **2,400**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	3650 **7,800**	2100 **4,500**	2950 **6,300**	1700 **3,650**	2450 **5,250**	1400 **3,000**	2100 ***4,200**	1200 **2,550**	*1750 ***3,800**	1150 **2,500**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	3600 **7,700**	2050 **4,400**	2900 **6,250**	1650 **3,550**	2450 **5,200**	1400 **3,000**			*1950 ***4,300**	1250 **2,700**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	3600 **7,700**	2050 **4,450**	2900 **6,250**	1700 **3,600**	2450 **5,300**	1400 **3,050**			*2300 ***5,100**	1400 **3,050**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	3650 **7,850**	2100 **4,550**	3000 ***6,450**	1750 **3,750**					*2700 ***5,950**	1600 **3,600**	11 240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2250 **4,900**							*2700 ***5,900**	2050 **4,600**	9800 **380**

* **ISO 10567:2007**

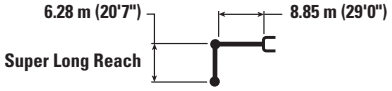
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

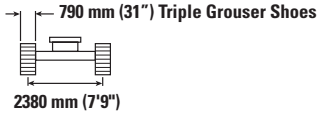
Lift capacity stays with ±5% for all available track shoes.

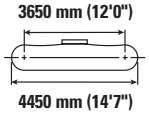
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320 Hydraulic Excavator Specifications

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 mm **480 in**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**											*1300 ***2,800**	1250 **2,750**	14 340 **570**
3000 mm **120 in**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 ***7,800**	*1300 ***2,900**	1200 **2,550**	14 550 **580**
1500 mm **60 in**	kg **lb**					*6750 ***15,950**	6550 **14,150**	*5250 ***11,300**	4550 **9,750**	*4100 ***8,850**	3350 **7,200**	*1400 ***3,000**	1150 **2,450**	14 600 **580**
0 mm **0 in**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4100 **8,800**	*4550 ***9,800**	3050 **6,600**	*1450 ***3,200**	1100 **2,450**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	3800 **8,200**	*4850 ***10,450**	2850 **6,150**	*1550 ***3,450**	1150 **2,450**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	3650 **7,900**	4750 **10,200**	2750 **5,850**	*1750 ***3,800**	1150 **2,550**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	5500 **11,850**	*6400 ***13,800**	3650 **7,800**	4700 **10,100**	2700 **5,750**	*1950 ***4,300**	1250 **2,750**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	5650 **12,100**	*6150 ***13,250**	3650 **7,900**	4700 **10,100**	2700 **5,800**	*2300 ***5,100**	1400 **3,100**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	5800 **12,550**	*5650 ***12,150**	3800 **8,150**	*4550 ***9,750**	2750 **5,950**	*2700 ***5,950**	1650 **3,650**	11 240 **440**
–9000 mm **–360 in**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	6100 **13,100**	*4850 ***10,350**	3950 **8,550**	*3900 ***8,300**	2900 **6,300**	*2700 ***5,900**	2100 **4,700**	9800 **380**

* **ISO 10567:2007**

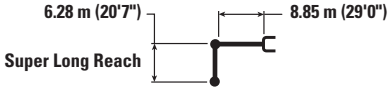
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

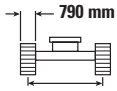
Lift capacity stays with ±5% for all available track shoes.

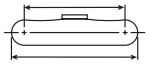
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				
												mm **in**
12 000 mm **480 in**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 mm **420 in**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 mm **360 in**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	2000 **4,150**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 mm **300 in**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	1950 **4,150**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 mm **240 in**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	1900 **4,050**	*2100 ***3,700**	1500 **3,100**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 mm **180 in**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2350 **5,000**	*2400 ***5,200**	1850 **3,900**	*2300 ***5,000**	1450 **3,050**	*1300 ***2,800**	1250 **2,750**	14 340 **570**
3000 mm **120 in**	kg **lb**	*3100 ***6,750**	2800 **6,000**	*2800 ***6,000**	2200 **4,700**	*2550 ***5,500**	1750 **3,700**	2300 **4,900**	1400 **2,950**	*1300 ***2,900**	1200 **2,550**	14 550 **580**
1500 mm **60 in**	kg **lb**	*3450 ***7,400**	2600 **5,550**	*3000 ***6,450**	2050 **4,350**	*2700 **5,800**	1650 **3,500**	2250 **4,800**	1300 **2,800**	*1400 ***3,000**	1150 **2,450**	14 600 **580**
0 mm **0 in**	kg **lb**	*3700 ***8,050**	2400 **5,150**	3200 **6,800**	1900 **4,100**	2600 **5,600**	1550 **3,300**	2200 **4,650**	1250 **2,700**	*1450 ***3,200**	1100 **2,450**	14 490 **570**
–1500 mm **–60 in**	kg **lb**	3800 **8,150**	2250 **4,800**	3050 **6,600**	1800 **3,850**	2550 **5,450**	1500 **3,150**	2150 **4,550**	1250 **2,600**	*1550 ***3,450**	1150 **2,450**	14 230 **560**
–3000 mm **–120 in**	kg **lb**	3700 **7,950**	2150 **4,600**	3000 **6,400**	1750 **3,700**	2500 **5,350**	1450 **3,050**	2100 ***4,200**	1200 **2,600**	*1750 ***3,800**	1150 **2,550**	13 790 **550**
–4500 mm **–180 in**	kg **lb**	3650 **7,850**	2100 **4,500**	2950 **6,350**	1700 **3,650**	2450 **5,300**	1400 **3,050**			*1950 ***4,300**	1250 **2,750**	13 170 **520**
–6000 mm **–240 in**	kg **lb**	3650 **7,850**	2100 **4,500**	2950 **6,400**	1700 **3,650**	2500 **5,400**	1450 **3,100**			*2300 ***5,100**	1400 **3,100**	12 340 **490**
–7500 mm **–300 in**	kg **lb**	3700 ***7,950**	2150 **4,650**	3050 ***6,450**	1800 **3,850**					*2700 ***5,950**	1650 **3,650**	11 240 **440**
–9000 mm **–360 in**	kg **lb**	*3150 ***6,500**	2300 **4,950**							*2700 ***5,900**	2100 **4,700**	9800 **380**

* **ISO 10567:2007**

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

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

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

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Africa and Middle East

									3.7 mt (8,200 lb)		4.2 mt (9,300 lb)		4.7 mt (10,400 lb)
									HD Reach Boom		HD Reach Boom		SLR Boom
		mm	in	m³	yd³	kg	lb	%	R2.9HD (9'6")	R2.5HD (8'2")	R2.9HD (9'6")	R2.5HD (8'2")	6.28A (20'7")
Pin-On (No Quick Coupler)													
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●	●	●	
	B	750	30	0.64	0.84	626	1,380	100	●	●	●	●	
	B	1200	48	1.19	1.56	812	1,789	100	◉	●	●	●	
	B	1300	51	1.30	1.70	835	1,841	100	⊖	◉	●	●	
	B	1400	55	1.43	1.87	879	1,937	100	⊖	◉	◉	●	
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	●	●	●	●	
	B	1200	48	1.19	1.56	917	2,022	100	◉	●	●	●	
	B	1300	52	1.30	1.70	974	2,148	100	⊖	◉	●	●	
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	●	●	●	●	
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	◉	●	●	●	
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	2751	3025	2973	3261	880
								lb	6,064	6,668	6,553	7,189	1,940
With Cat Pin Grabber Coupler													
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●	●	●	
	B	750	30	0.64	0.84	626	1,380	100	●	●	●	●	
	B	1200	48	1.19	1.56	812	1,789	100	⊖	◉	●	●	
	B	1300	51	1.30	1.70	835	1,841	100	○	⊖	◉	●	
	B	1400	55	1.43	1.87	879	1,937	100	○	⊖	⊖	◉	
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	◉	●	●	●	
	B	1200	48	1.19	1.56	917	2,022	100	⊖	⊖	◉	●	
	B	1300	52	1.30	1.70	974	2,148	100	○	⊖	⊖	◉	
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	◉	●	●	●	
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	⊖	◉	●	●	
Maximum load with coupler (payload + bucket)								kg	2314	2533	2539	2772	680
								lb	5,102	5,585	5,597	6,110	1,500

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/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.

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)

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.

Bucket Specifications and Compatibility – Eurasia

									3.7 mt (8,200 lb)		4.2 mt (9,300 lb)		4.7 mt (10,400 lb)
									HD Reach Boom				SLR Boom
		mm	in	m³	yd³	kg	lb	%	R2.9HD (9'6")	R2.5HD (8'2")	R2.9HD (9'6")	R2.5HD (8'2")	6.28A (20'7")
Pin-On (No Quick Coupler)													
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●	●	●	
	B	750	30	0.64	0.84	626	1,380	100	●	●	●	●	
	B	1200	48	1.19	1.56	812	1,789	100	⊖	◉	◉	●	
	B	1300	51	1.30	1.70	835	1,841	100	⊖	⊖	⊖	◉	
	B	1400	55	1.43	1.87	879	1,937	100	○	⊖	⊖	⊖	
	B	1050	42	1.00	1.31	737	1,624	100	●	●	●	●	
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	◉	●	●	●	
	B	1200	48	1.19	1.56	917	2,022	100	⊖	◉	◉	◉	
	B	1300	52	1.30	1.70	974	2,148	100	○	⊖	⊖	⊖	
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	◉	●	●	●	
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	⊖	◉	◉	●	
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	2735	2955	2915	3145	880
								lb	6,030	6,515	6,426	6,934	1,940
With Cat Pin Grabber Coupler													
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●	●	●	
	B	750	30	0.64	0.84	626	1,380	100	●	●	●	●	
	B	1200	48	1.19	1.56	812	1,789	100	○	⊖	⊖	⊖	
	B	1300	51	1.30	1.70	835	1,841	100	◇	○	○	⊖	
	B	1400	55	1.43	1.87	879	1,937	100	◇	○	○	○	
	B	1050	42	1.00	1.31	737	1,624	100	⊖	◉	◉	●	
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	○	⊖	⊖	◉	
	B	1200	48	1.19	1.56	917	2,022	100	○	○	○	⊖	
	B	1300	52	1.30	1.70	974	2,148	100	◇	○	○	○	
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	⊖	◉	◉	●	
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	○	○	○	⊖	
Maximum load with coupler (payload + bucket)								kg	2314	2533	2539	2772	680
								lb	5,102	5,585	5,597	6,110	1,500

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/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.

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)

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.

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

PIN-ON ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)		4.2 mt (9,300 lb)	
Boom Type		**HD Reach**		**HD Reach**	
Stick Length		**HD 2.9 (9'6")**	**HD 2.5 (8'2")**	**HD 2.9 (9'6")**	**HD 2.5 (8'2")**
Hydraulic Hammers	H115 GC	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
	H120 GC	✓	✓	✓	✓
	H120 GC Side Mount	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
	H130 GC	✓	✓	✓	✓
	H130 GC S	✓	✓	✓	✓
	H130 S	✓	✓	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓
	MP318 Demolition Jaw	✓	✓	✓	✓
	MP318 Pulverizer Jaw	✓	✓	✓	✓
	MP318 Shear Jaw	✓	✓	✓	✓
	MP318 Tank Shear Jaw	✓	✓	✓	✓
	MP318 Universal Jaw	✓	✓	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓
	G318	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓
	G318 WH-1100	✓	✓	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓*	✓	✓	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓	✓	✓
	P318 Primary Pulverizer	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

(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.

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

PIN-ON ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)		4.2 mt (9,300 lb)	
Boom Type		**HD Reach**		**HD Reach**	
Stick Length		**HD 2.9 (9'6")**	**HD 2.5 (8'2")**	**HD 2.9 (9'6")**	**HD 2.5 (8'2")**
Orange Peel Grapples	GSH420-500	●	●	●	●
	GSH420-600	●	●	●	●
	GSH420-750	●	●	●	●
	GSH425-750	○	○	○	●
	GSH425-950			○	○
	GSH520-500	●	●	●	●
	GSH520-600	●	●	●	●
	GSH520-750	○	○	○	●
	GSH525-750				○
	GSV420-400	●	●	●	●
	GSV420-500	●	●	●	●
	GSV420-600	●	●	●	●
	GSV420-750	●	●	●	●
	GSV420-1250	◇	◇	◇	◇
	GSV425-600	○	●	●	●
	GSV425-750	○	○	○	●
	GSV425-950		○	○	○
	GSV425-1550		◇	◇	◇
	GSV520 GC-400	●	●	●	●
	GSV520 GC-500	●	●	●	●
	GSV520 GC-600	●	●	●	●
	GSV520 GC-750	○	●	●	●
	GSV520 GC-1250	◇	◇	◇	◇
	GSV520-400	●	●	●	●
	GSV520-500	●	●	●	●
	GSV520-600	●	●	●	●
	GSV520-750	○	●	●	●
	GSV520-1250	◇	◇	◇	◇
	GSV525-600	○	○	○	●
	GSV525-750		○	○	○
	GSV525-1550				◇
Clamshell Grapples	CTV15-1000	○	○	○	○
	CTV15-1200				○

(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 No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)		4.2 mt (9,300 lb)	
Boom Type		**HD Reach**		**HD Reach**	
Stick Length		**HD 2.9 (9'6")**	**HD 2.5 (8'2")**	**HD 2.9 (9'6")**	**HD 2.5 (8'2")**
Hydraulic Hammers	H115 GC	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
	H120 GC	✓	✓	✓	✓
	H120 GC Side Mount	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
	H130 GC			✓*	✓
	H130 GC S		✓*	✓*	✓
	H130 S	✓	✓	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓*	✓	✓	✓
	MP318 Demolition Jaw		✓*	✓	✓
	MP318 Pulverizer Jaw			✓*	✓
	MP318 Shear Jaw	✓*	✓	✓	✓
	MP318 Tank Shear Jaw	✓*		✓	✓*
	MP318 Universal Jaw		✓*	✓*	✓
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓
	G318	✓*	✓*	✓	✓
	G318 WH-800	✓*	✓	✓	✓
	G318 WH-1100				✓*
Mobile Scrap and Demolition Shears	S3025 Flat Top				✓*
Pulverizers	P218 Secondary Pulverizer		✓*	✓*	✓
	P318 Primary Pulverizer		✓*	✓*	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

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 | No Match

CW-40s DEDICATED COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)		4.2 mt (9,300 lb)	
Boom Type		HD Reach		HD Reach	
Stick Length		HD 2.9 (9'6")	HD 2.5 (8'2")	HD 2.9 (9'6")	HD 2.5 (8'2")
Hydraulic Hammers	H115 GC	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
	H120 GC	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
	H130 S	✓	✓	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓
	MP318 Demolition Jaw	✓	✓	✓	✓
	MP318 Pulverizer Jaw	✓*	✓	✓	✓
	MP318 Shear Jaw	✓	✓	✓	✓
	MP318 Tank Shear Jaw	✓	✓*	✓	✓
	MP318 Universal Jaw	✓*	✓	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓
	G318	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓
	G318 WH-1100	✓*	✓	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top		✓*	✓*	✓
Pulverizers	P218 Secondary Pulverizer	✓*	✓	✓	✓
	P318 Primary Pulverizer	✓*	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

(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 No Match

CW-40 DEDICATED COUPLER ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)		4.2 mt (9,300 lb)	
Boom Type		**HD Reach**		**HD Reach**	
Stick Length		**HD 2.9 (9'6")**	**HD 2.5 (8'2")**	**HD 2.9 (9'6")**	**HD 2.5 (8'2")**
Hydraulic Hammers	H115 GC	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
	H120 GC	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
	H130 GC				✓*
	H130 GC S		✓*	✓*	✓
	H130 S	✓	✓	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓
	MP318 Demolition Jaw	✓	✓	✓	✓
	MP318 Pulverizer Jaw	✓*	✓	✓	✓
	MP318 Shear Jaw	✓	✓	✓	✓
	MP318 Tank Shear Jaw	✓	✓*	✓	✓
	MP318 Universal Jaw	✓*	✓	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓
	G317 GC fixed CAN	✓	✓	✓	✓
	G318	✓	✓	✓	✓
	G318 fixed CAN	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓
	G318 WH-1100		✓*	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top		✓*	✓*	✓
Pulverizers	P218 Secondary Pulverizer	✓*	✓	✓	✓
	P318 Primary Pulverizer	✓*	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

BOOM-MOUNT ATTACHMENTS

Counterweight		3.7 mt (8,200 lb)	4.2 mt (9,300 lb)
Boom Type		**Reach HD**	**Reach HD**
Mobile Scrap and Demolition Shears	S2050	✓	✓
	S3035 Flat Top	✓	✓

Standard and Optional Equipment

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

	Standard	Optional
ENGINE		
Cat® C7.1 single turbo diesel engine	✓	
Three selectable power modes	✓	
Auto engine speed control	✓	
Auto engine idle shutdown	✓	
4500 m (14,760 ft) altitude capability with derate from 3000 m (9,840 ft)	✓	
52° C (125° F) high-ambient cooling capacity(1)	✓	
46° C (115° F) high-ambient cooling capacity(2)	✓	
52° C (125° F) high-ambient cooling capacity(2)		✓
Starting capability for –18° C (0° F) with jump start receptacle	✓	
Cold starting capability for –32° C (–25° F)		✓
Double element air filter with integrated pre-cleaner	✓	
Electric cooling fans with auto-reverse function	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Electronic main control valve	✓	
Auto hydraulic oil warm up	✓	
Auto Dig Boost[1]	✓	
Auto heavy lift[2]	✓	
Auto two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Element type main hydraulic filter	✓	
Slider joysticks	✓	
Tandem type electronic main pump	✓	
Hammer return filter circuit		✓
Hydraulic efficiency monitoring		✓
Tool Control (two pumps, one/two way high-pressure flow)		✓
Basic Tool Control (one pump, one way high-pressure flow)		✓
Multi viscous hydraulic oil		✓

[1]Not available for Super Long Reach.
[2]Not available for Super Long Reach; not available for Kingdom of Saudi Arabia.
[3]Eurasia only.
[4]Africa, Middle East (including KSA) only.

	Standard	Optional
UNDERCARRIAGE AND STRUCTURES		
600 mm (24") triple grouser track shoes		✓
700 mm (28") triple grouser track shoes[3]		✓
790 mm (31") triple grouser track shoes		✓
Tie-down points on base frame	✓	
Segmented track guiding guards	✓	
Full-length track guiding guards		✓
Bottom guards	✓	
HD bottom guards		✓
Swivel guard		✓
Travel motor guards	✓	
HD travel motor guards		✓
Grease lubricated track links	✓	
3700 kg (8,200 lb) counterweight[4]		✓
4200 kg (9,300 lb) counterweight for heavy-duty		✓
4700 kg (10,400 lb) counterweight for Super Long Reach		✓
BOOM, STICKS AND LINKAGES		
5.7 m (18'8") HD Reach boom		✓
8.85 m (29'0") Super Long Reach boom		✓
2.9 m (9'6") HD Reach stick		✓
2.5 m (8'2") HD Reach stick		✓
6.28 m (20'7") Super Long Reach stick		✓
Bucket linkage, B1-family with lifting eye		✓
Bucket linkage, B1-family without lifting eye		✓
Bucket linkage, A-family with lifting eye for SLR		✓
Bucket linkage, A-family without lifting eye for SLR		✓

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
ELECTRICAL SYSTEM		
1,000 CCA maintenance-free batteries (×2)	✓	
1,000 CCA maintenance-free batteries (×4)		✓
Centralized electrical disconnect switch	✓	
Programmable time-delay LED working lights	✓	
LED chassis light, Left Hand (LH) and Right Hand (RH) boom lights for Reach and SLR, cab lights	✓	
Premium surround lighting package		✓
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[5]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– Work tool recognition and tracking (PL161)	✓[6]	
– Operator Coaching		✓[7]
Cat Grade:		
– Cat Grade with 2D	✓[8]	
– 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 Assist:[8]		
– Grade Assist	✓	
– Boom Assist	✓	
– Bucket Assist	✓	
– Swing Assist	✓	
– Lift Assist	✓	
Cat Payload:[8]		
– On-the-go weighing	✓	
– Semiautomatic calibration	✓	
– Payload/cycle information	✓	
– VisionLink back office reporting		✓[9]
Cat Advanced Payload:		
– Daily totals		✓
– Custom lists		✓
– Smart weight target		✓
– E-ticket Integration		✓[9]
Other:		
Cat Tiltrotator (TRS) integration		✓

	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: – E-ceiling – E-floor – E-swing – E-wall – E-cab avoidance	✓[8]	
Auto hammer stop	✓	
Rearview camera and right-hand side mirror	✓	
Rear and right-hand-side view cameras		✓
360° visibility		✓
Right-hand-side view camera		✓[10]
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		✓

[5]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.

[6]Requires PL161 attachment locator on work tool and Bluetooth® receiver on machine.

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

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

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

[10]Mandatory for Kingdom of Saudi Arabia; Not available in other regions.

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

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

ELECTRICAL

- Premium surround working lights

GUARDS

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

MAINTENANCE

- Jump start wiring
- Duct ready kit

SAFETY AND SECURITY

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

OTHER ATTACHMENTS

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

320 Cab Options

Cab Options

	Comfort	Deluxe
ROPS	●	●
OPG	○	○
High-resolution 203 mm (8") LCD touchscreen monitor	●	●
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, infinite with no tool	X	●
Height-adjustable console, three steps with tool	●	X
Tilt-up left-side console	X	●
Fixed left-side console	●	X
Mechanical-suspension seat	●	X
Heated air-suspension seat	X	●
51 mm (2") seatbelt	●	●
Monitor integrated Bluetooth radio with USB/Auxiliary ports	●	●
12V DC outlets	●	●
Document storage	●	●
Overhead storage and rear storage with nets	X	●
Beverage holder	●	●
Cup holder	●	●
Openable two-piece front window	●	●
Rear window emergency exit	●	●
Radial wiper with washer	●	●
Openable polycarbonate skylight hatch	X	●
Openable steel hatch	●	X
LED dome light	●	●
Roof sunscreen	X	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	○
Washable floor mat	●	●
Beacon ready	●	●
Cat Stick Steer*	○	○
Auxiliary relay	X	○

● Standard ○ Optional X Not available * Eurasia only

320 Environmental Declaration

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

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

Engine

- The Cat® C7.1 engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
  - ✓ 100% 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.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg (1.9 lb) of refrigerant which has a CO_2 equivalent of 1.216 metric tonnes (1.340 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
  - 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

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

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

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