

323

Hydraulic Excavator

Technical Specifications

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

Table of Contents

Specifications 2

- Engine 2
- Swing Mechanism 2
- Weights 2
- Track 2
- Drive 2
- Hydraulic System 2
- Service Refill Capacities 2
- Sound Performance 2
- Standards 2
- Operating Weights and Ground Pressures 3
- Major Component Weights 3
- Dimensions 4
- Working Ranges 5
- Heavy Duty (HD) Reach Boom Lift Capacities 6
- Bucket Specifications and Compatibility 12
- Attachments Offering Guide 14

Standard and Optional Equipment 16

Dealer Installed Kit and Attachments 18

323 Environmental Declaration 19

323 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1	
Net Power		
ISO 9249	117 kW	157 hp
ISO 9249 (DIN)	159 hp (metric)	
Engine Power		
ISO 14396	118 kW	158 hp
ISO 14396 (DIN)	160 hp (metric)	
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	11.25 rpm	
Maximum Swing Torque	82 kN·m	60,300 lbf·ft

Weights

Operating Weight	24 100 kg	53,100 lb

- HD Reach Boom, R2.9 (9'6") Stick, 1.30 m³ (1.70 yd³) Heavy Duty (HD) bucket and 600 mm (24 in) HD triple grouser shoes.

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 – Long Undercarriage	204 kN	45,861 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 – Heavy Lift	125 mm	5 in
Boom Cylinder – Stroke – Heavy Lift	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	12 L	3.2 gal
Final Drive (each)	5 L	1.3 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal

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

	600 mm (24 in) HD Triple Grouser Shoes				700 mm (28 in) HD Triple Grouser Shoes				790 mm (31 in) HD 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 Track Rollers and Carrier Rollers												
5.4 mt (11,900 lb) Counterweight + Long Undercarriage Base Machine												
HD Reach Boom + R2.9 (9'6") Stick + 1.30 m³ (1.70 yd³) HD Bucket	24 100	(53,100)	50.1	(7.3)	24 600	(54,200)	43.9	(6.4)	24 900	(54.900)	39.3	(5.7)

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

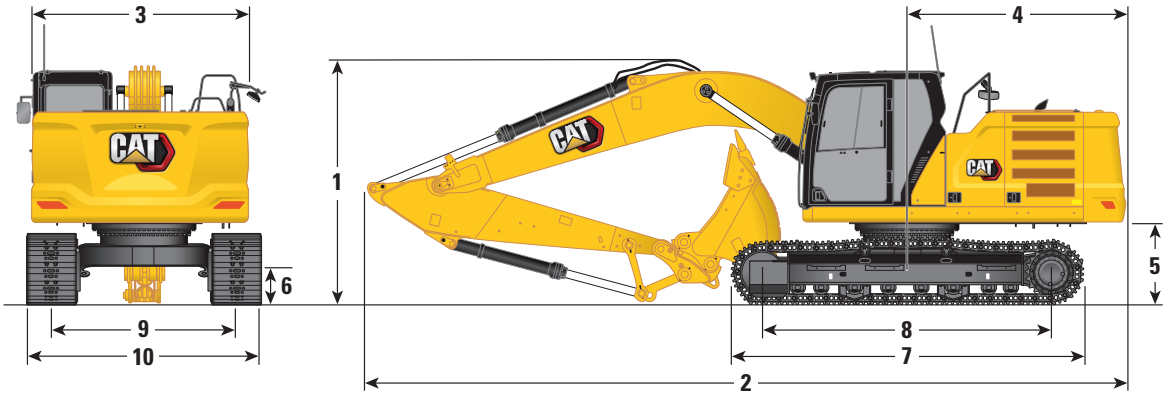
Major Component Weights

	kg	lb
Base Machine (with 5.4 mt [11,900 lb], counterweight, HD swing frame, HD base frame with Severe Duty (SD) track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	16 400	36,100
Track Shoes:		
600 mm (24 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes	3080	6,800
700 mm (28 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes	3490	7,700
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
Counterweight:		
5.4 mt (11,900 lb) Counterweight	5400	11,900
Swing Frame	2090	4,600
Undercarriage:		
HD Base Frame with SD Track Rollers and Standard Carrier Rollers	4470	9,900
Booms (including lines, pins, stick cylinder):		
HD Reach Boom 5.7 m (18'8")	2010	4,400
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.9B1 (9'6")	1080	2,400
HD Reach Stick R2.9B1 (9'6")	1210	2,700
Reach Stick R2.5B1 (8'2")	1020	2,200
HD Reach Stick R2.5B1 (8'2")	1180	2,600
Buckets (without linkage):		
1.30 m³ (1.70 yd³) HD	930	2,000
Quick Couplers (QC):		
CW Dedicated	230	500
Pin Grabber QC	390	850

323 Hydraulic Excavator Specifications

Dimensions

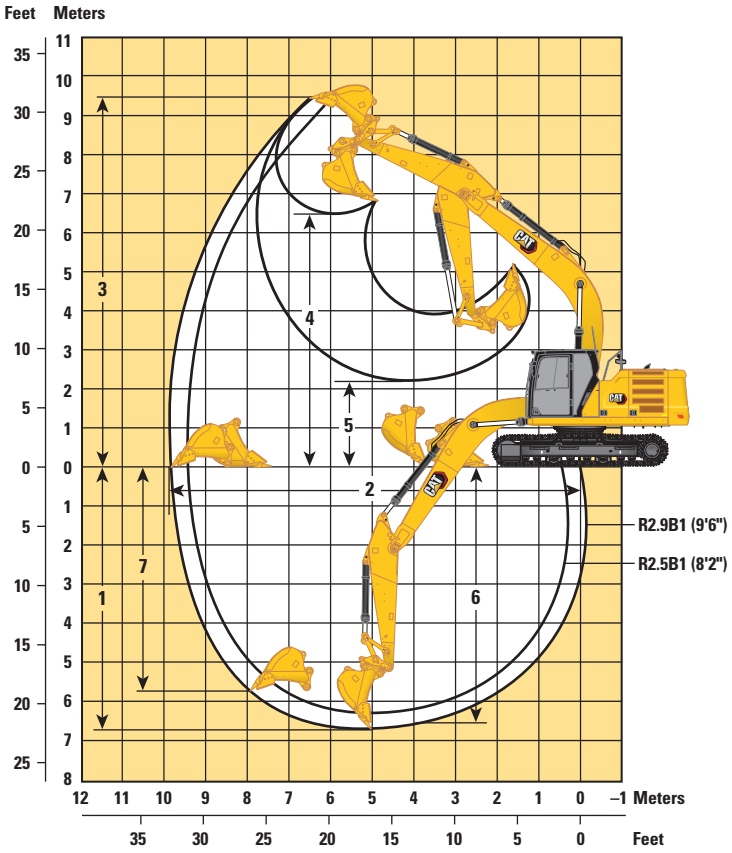
All dimensions are approximate and may vary depending on bucket selection.



Boom Options	HD Reach Boom 5.7 m (18'8")			
Stick Options	**Reach and HD Reach Stick**			
	R2.9B1 (9'6")		**R2.5B1 (8'2")**	
1 Machine Height:				
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'9"	2950 mm	9'9"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3080 mm	10'1"
With Boom/Stick Installed	2910 mm	9'7"	2910 mm	9'7"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"
2 Machine Length:				
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm	31'3"
With Boom/Stick Installed	9500 mm	31'2"	9500 mm	31'2"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"
3 Upperframe Width	2780 mm	9'1"	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"
6 Ground Clearance	470 mm	1'7"	470 mm	1'7"
7 Track Length	4450 mm	14'7"	4450 mm	14'7"
8 Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"
9 Track Gauge	2380 mm	7'9"	2380 mm	7'9"
10 Undercarriage Width:				
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"
Bucket Type	HD		HD	
Bucket Capacity	1.30 m^3	1.70 yd^3	1.30 m^3	1.70 yd^3
Bucket Tip Radius	1580 mm	5'2"	1580 mm	5'2"

Working Ranges

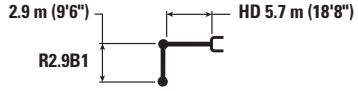
All dimensions are approximate and may vary depending on bucket selection.

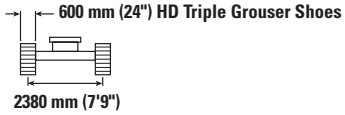


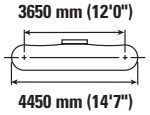
Boom Option	HD Reach Boom 5.7 m (18'8")			
Stick Options	**Reach and HD Reach Stick**			
	R2.9B1 (9'6")		**R2.5B1 (8'2")**	
1 Maximum Digging Depth	6730 mm	22'1"	6310 mm	20'8"
2 Maximum Reach at Ground Line	9870 mm	32'4"	9470 mm	31'1"
3 Maximum Cutting Height	9450 mm	31'1"	9250 mm	30'4"
4 Maximum Loading Height	6480 mm	21'3"	6280 mm	20'7"
5 Minimum Loading Height	2160 mm	7'1"'	2580 mm	8'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6560 mm	21'6"	6120 mm	20'1"
7 Maximum Vertical Wall Digging Depth	5620 mm	18'5"	5230 mm	17'2"
Bucket Digging Force (ISO)	140 kN	34,308 lbf	140 kN	31,505 lbf
Stick Digging Force (ISO)	107 kN	26,094 lbf	118 kN	26,550 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	152 kN	34,205 lbf	152 kN	34,205 lbf
Stick Digging Force (ISO) – Auto Dig Boost	116 kN	26,016 lbf	128 kN	28,826 lbf
Bucket Type	HD		HD	
Bucket Capacity	1.30 m^3	1.70 yd^3	1.19 m^3	1.56 yd^3
Bucket Tip Radius	1580 mm	5'2"	1570 mm	5'2"

323 Hydraulic Excavator Specifications

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

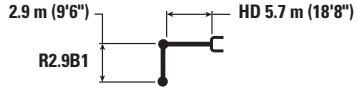


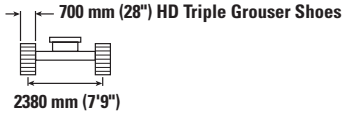


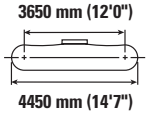


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,900	*5450 *11,900			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*5950 *12,950	*5950 *12,950	*5600 *12,300	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

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	4550 9,800	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,700	*8700 *18,700	*6850 *14,800	6150 13,200	*5950 *13,000	4450 9,550	*4000 *8,800	3800 8,350	8360 330
1500 mm 60 in	kg lb					*10 500 *22,650	8750 18,800	*7750 *16,800	5900 12,650	*6400 *13,950	4350 9,300	*4250 *9,350	3650 8,050	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 500 *24,850	8450 18,150	*8400 *18,200	5700 12,250	6450 13,900	4250 9,100	*4700 *10,350	3750 8,200	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	8350 17,950	*8600 *18,550	5600 12,100	6450 13,850	4200 9,050	*5500 *12,150	4000 8,850	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	8400 18,050	*8050 *17,350	5650 12,150			*6600 *14,600	4700 10,400	6950 280
–4500 mm –180 in	kg lb			*12 250 *26,200	*12 250 *26,200	*8800 *18,800	8600 18,550					*6700 *14,650	6400 14,400	5600 220

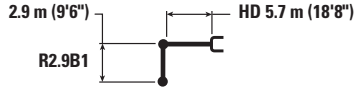
* ISO 10567:2007

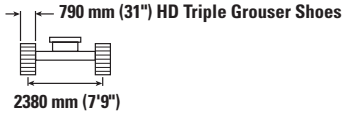
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

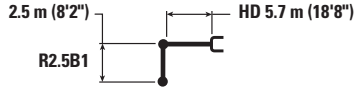
HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On

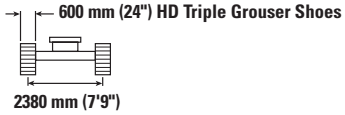




		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,900	*5450 *11,900			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*5950 *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





		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in	kg lb					*5850 *12,900	*5850 *12,900			*4750 *10,500	*4750 *10,500	6830 270
4500 mm 180 in	kg lb			*7350 *15,900	*7350 *15,900	*6350 *13,750	6200 13,400	*5250	4450	*4650 *10,250	4350 9,650	7570 300
3000 mm 120 in	kg lb			*9250 *19,900	9000 19,400	*7150 *15,500	6000 12,900	*6200 *13,550	4350 9,350	*4750 *10,450	4000 8,750	7960 320
1500 mm 60 in	kg lb			*10 900 *23,500	8500 18,300	*8000 *17,300	5750 12,400	6450 13,850	4250 9,100	*5100 *11,150	3850 8,450	8050 320
0 mm 0 in	kg lb			*11 650 *25,150	8250 17,800	*8500 *18,450	5600 12,050	6350 13,700	4150 8,950	*5700 *12,500	3900 8,600	7860 310
–1500 mm –60 in	kg lb	*12 000 *27,300	*12 000 *27,300	*11 450 *24,850	8200 17,700	*8550 *18,450	5550 11,900			6550 14,400	4250 9,400	7350 290
–3000 mm –120 in	kg lb	*14 350 *31,150	*14 350 *31,150	*10 450 *22,550	8300 17,900	*7700 *16,550	5600 12,100			*6900 *15,200	5100 11,350	6470 260
–4500 mm –180 in	kg lb			*7800 *16,350	*7800 *16,350					*6750 *14,800	*6750 *14,800	4980 200

* ISO 10567:2007

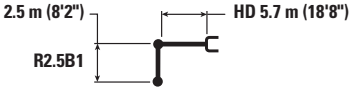
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

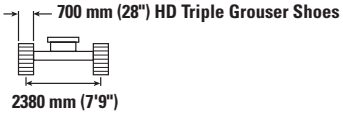
Lift capacity stays with ±5% for all available track shoes.

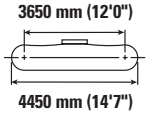
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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

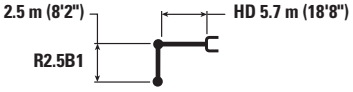


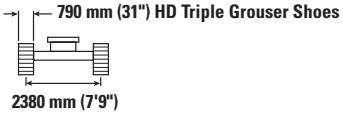


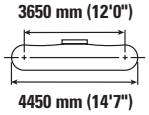


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in	kg lb					*5850 *12,900	*5850 *12,900			*4750 *10,500	*4750 *10,500	6830 270
4500 mm 180 in	kg lb			*7350 *15,900	*7350 *15,900	*6350 *13,750	6300 13,550	*5250	4500	*4650 *10,250	4400 9,800	7570 300
3000 mm 120 in	kg lb			*9250 *19,900	9100 19,600	*7150 *15,500	6050 13,050	*6200 *13,550	4400 9,450	*4750 *10,450	4050 8,900	7960 320
1500 mm 60 in	kg lb			*10 900 *23,500	8600 18,550	*8000 *17,300	5800 12,550	6550 14,050	4300 9,250	*5100 *11,150	3900 8,550	8050 320
0 mm 0 in	kg lb			*11 650 *25,150	8350 18,000	*8500 *18,450	5650 12,200	6450 13,850	4200 9,100	*5700 *12,500	4000 8,750	7860 310
–1500 mm –60 in	kg lb	*12 000 *27,300	*12 000 *27,300	*11 450 *24,850	8350 17,900	*8550 *18,450	5600 12,100			6600 14,600	4350 9,550	7350 290
–3000 mm –120 in	kg lb	*14 350 *31,150	*14 350 *31,150	*10 450 *22,550	8450 18,150	*7700 *16,550	5700 12,250			*6900 *15,200	5200 11,500	6470 260
–4500 mm –180 in	kg lb			*7800 *16,350	*7800 *16,350					*6750 *14,800	*6750 *14,800	4980 200

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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									*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in	kg lb					*5850 *12,900	*5850 *12,900			*4750 *10,500	*4750 *10,500	6830 270
4500 mm 180 in	kg lb			*7350 *15,900	*7350 *15,900	*6350 *13,750	*6350 13,700	*5250	4550	*4650 *10,250	4450 9,900	7570 300
3000 mm 120 in	kg lb			*9250 *19,900	9200 19,800	*7150 *15,500	6100 13,200	*6200 *13,550	4450 9,550	*4750 *10,450	4100 9,000	7960 320
1500 mm 60 in	kg lb			*10 900 *23,500	8700 18,750	*8000 *17,300	5900 12,650	*6600 14,200	4350 9,350	*5100 *11,150	3950 8,650	8050 320
0 mm 0 in	kg lb			*11 650 *25,150	8450 18,200	*8500 *18,450	5700 12,350	6500 14,050	4250 9,200	*5700 *12,500	4000 8,850	7860 310
–1500 mm –60 in	kg lb	*12 000 *27,300	*12 000 *27,300	*11 450 *24,850	8400 18,100	*8550 *18,450	5650 12,200			6700 14,750	4400 9,650	7350 290
–3000 mm –120 in	kg lb	*14 350 *31,150	*14 350 *31,150	*10 450 *22,550	8500 18,350	*7700 *16,550	5750 12,400			*6900 *15,200	5250 11,600	6470 260
–4500 mm –180 in	kg lb			*7800 *16,350	*7800 *16,350					*6750 *14,800	*6750 *14,800	4980 200

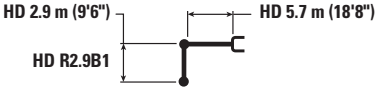
* ISO 10567:2007

* 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.

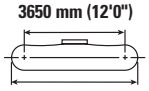
Lift capacity stays with ±5% for all available track shoes.

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

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

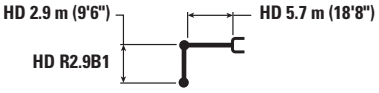




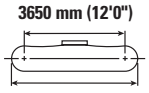


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	*5300 *11,650			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	*5850 *12,700	*5500 *12,000	4400 9,400	*3850 *8,450	*3850 *8,450	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	*8550 *18,350	*6700 *14,500	5950 12,800	*5850 *12,700	4300 9,200	*3950 *8,650	3650 8,000	8360 330
1500 mm 60 in	kg lb					*10 350 *22,250	8450 18,200	*7600 *16,450	5650 12,200	*6300 *13,650	4150 8,950	*4150 *9,150	3500 7,700	8450 340
0 mm 0 in	kg lb			*6550 *15,050	*6550 *15,050	*11 300 *24,450	8150 17,500	*8250 *17,850	5500 11,800	6250 13,450	4050 8,750	*4600 *10,150	3550 7,850	8260 330
–1500 mm –60 in	kg lb	*7000 *15,650	*7000 *15,650	*11 350 *25,750	*11 350 *25,750	*11 400 *24,700	8050 17,300	*8450 *18,250	5400 11,600	6200 13,400	4000 8,650	*5400 *11,950	3850 8,450	7780 310
–3000 mm –120 in	kg lb	*12 050 *27,000	*12 050 *27,000	*15 150 *32,750	*15 150 *32,750	*10 700 *23,050	8100 17,450	*7900 *17,050	5450 11,700			*6500 *14,250	4500 10,000	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,750	*12 050 *25,750	*8650 *18,400	8350 17,950					*6550 *14,350	6200 13,900	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							*5300 *11,650	*5300 *11,650			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	*5850 *12,700	*5500 *12,000	4450 9,550	*3850 *8,450	*3850 *8,450	7990 320
3000 mm 120 in	kg lb					*8550 *18,350	*8550 *18,350	*6700 *14,500	6000 12,950	*5850 *12,700	4350 9,300	*3950 *8,650	3700 8,100	8360 330
1500 mm 60 in	kg lb					*10 350 *22,250	8550 18,450	*7600 *16,450	5750 12,350	*6300 *13,650	4200 9,050	*4150 *9,150	3550 7,800	8450 340
0 mm 0 in	kg lb			*6550 *15,050	*6550 *15,050	*11 300 *24,450	8250 17,750	*8250 *17,850	5550 11,950	6350 13,650	4100 8,850	*4600 *10,150	3600 7,950	8260 330
–1500 mm –60 in	kg lb	*7000 *15,650	*7000 *15,650	*11 350 *25,750	*11 350 *25,750	*11 400 *24,700	8150 17,550	*8450 *18,250	5450 11,750	6300 13,550	4100 8,800	*5400 *11,950	3900 8,600	7780 310
–3000 mm –120 in	kg lb	*12 050 *27,000	*12 050 *27,000	*15 150 *32,750	*15 150 *32,750	*10 700 *23,050	8200 17,700	*7900 *17,050	5500 11,850			*6500 *14,250	4550 10,100	6950 280
–4500 mm –180 in	kg lb			*12 050 *25,750	*12 050 *25,750	*8650 *18,400	8450 18,200					*6550 *14,350	6250 14,100	5600 220

* ISO 10567:2007

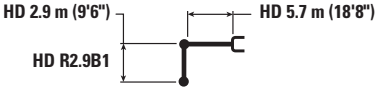
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

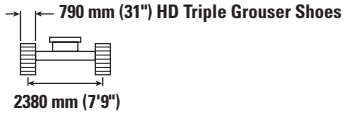
Lift capacity stays with ±5% for all available track shoes.

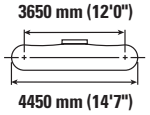
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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

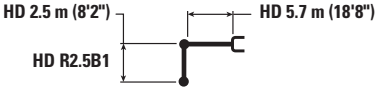


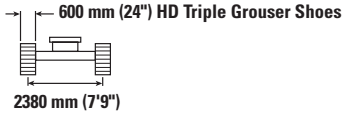


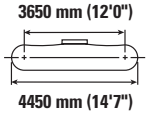


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm **300 in**	kg **lb**							*4900	*4900			*4250 ***9,400**	*4250 ***9,400**	6150 **240**
6000 mm **240 in**	kg **lb**							*5300 ***11,650**	*5300 ***11,650**			*3900 ***8,650**	*3900 ***8,650**	7290 **290**
4500 mm **180 in**	kg **lb**							*5850 ***12,700**	*5850 ***12,700**	*5500 ***12,000**	4500 **9,650**	*3850 ***8,450**	*3850 ***8,450**	7990 **320**
3000 mm **120 in**	kg **lb**					*8550 ***18,350**	*8550 ***18,350**	*6700 ***14,500**	6050 **13,100**	*5850 ***12,700**	4400 **9,450**	*3950 ***8,650**	3700 **8,200**	8360 **330**
1500 mm **60 in**	kg **lb**					*10 350 ***22,250**	8650 **18,650**	*7600 ***16,450**	5800 **12,500**	*6300 ***13,650**	4250 **9,150**	*4150 ***9,150**	3600 **7,900**	8450 **340**
0 mm **0 in**	kg **lb**			*6550 ***15,050**	*6550 ***15,050**	*11 300 ***24,450**	8350 **17,950**	*8250 ***17,850**	5600 **12,100**	6400 **13,800**	4150 **8,950**	*4600 ***10,150**	3650 **8,050**	8260 **330**
–1500 mm **–60 in**	kg **lb**	*7000 ***15,650**	*7000 ***15,650**	*11 350 ***25,750**	*11 350 ***25,750**	*11 400 ***24,700**	8250 **17,750**	*8450 ***18,250**	5550 **11,900**	6400 **13,750**	4150 **8,900**	*5400 ***11,950**	3950 **8,700**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*12 050 ***27,000**	*12 050 ***27,000**	*15 150 ***32,750**	*15 150 ***32,750**	*10 700 ***23,050**	8300 **17,900**	*7900 ***17,050**	5550 **12,000**			*6500 ***14,250**	4600 **10,250**	6950 **280**
–4500 mm **–180 in**	kg **lb**			*12 050 ***25,750**	*12 050 ***25,750**	*8650 ***18,400**	8550 **18,400**					*6550 ***14,350**	6350 **14,250**	5600 **220**

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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**					*5750 ***12,600**	*5750 ***12,600**			*4700 ***10,350**	*4700 ***10,350**	6830 **270**
4500 mm **180 in**	kg **lb**			*7250 ***15,600**	*7250 ***15,600**	*6200 ***13,500**	6100 **13,150**	*5150	4350	*4600 ***10,100**	4250 **9,450**	7570 **300**
3000 mm **120 in**	kg **lb**			*9100 ***19,600**	8850 **19,100**	*7000 ***15,200**	5850 **12,650**	*6100 ***13,250**	4250 **9,100**	*4700 ***10,350**	3900 **8,550**	7960 **320**
1500 mm **60 in**	kg **lb**			*10 750 ***23,150**	8350 **18,000**	*7850 ***16,950**	5600 **12,100**	6350 **13,600**	4150 **8,900**	*5000 ***11,000**	3750 **8,200**	8050 **320**
0 mm **0 in**	kg **lb**			*11 450 ***24,750**	8100 **17,450**	*8350 ***18,100**	5450 **11,750**	6250 **13,450**	4050 **8,700**	*5600 ***12,350**	3800 **8,400**	7860 **310**
–1500 mm **–60 in**	kg **lb**	*11 950 ***27,150**	*11 950 ***27,150**	*11 300 ***24,450**	8050 **17,350**	*8400 ***18,150**	5400 **11,650**			6400 **14,150**	4150 **9,150**	7350 **290**
–3000 mm **–120 in**	kg **lb**	*14 150 ***30,650**	*14 150 ***30,650**	*10 250 ***22,200**	8150 **17,550**	*7600 ***16,200**	5500 **11,800**			*6800 ***14,900**	5000 **11,100**	6470 **260**
–4500 mm **–180 in**	kg **lb**			*7650 ***16,000**	*7650 ***16,000**					*6600 ***14,500**	*6600 ***14,500**	4980 **200**

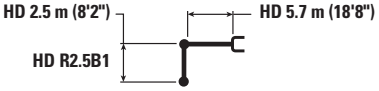
* **ISO 10567:2007**

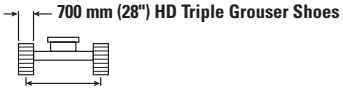
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

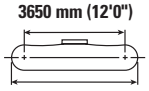
Lift capacity stays with ±5% for all available track shoes.

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

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

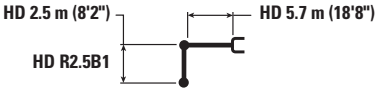




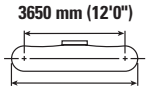


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5750 *12,600	*5750 *12,600			*4700 *10,350	*4700 *10,350	6830 270
4500 mm 180 in	kg lb			*7250 *15,600	*7250 *15,600	*6200 *13,500	6200 13,350	*5150	4400	*4600 *10,100	4300 9,550	7570 300
3000 mm 120 in	kg lb			*9100 *19,600	8950 19,350	*7000 *15,200	5950 12,800	*6100 *13,250	4300 9,250	*4700 *10,350	3950 8,650	7960 320
1500 mm 60 in	kg lb			*10 750 *23,150	8450 18,200	*7850 *16,950	5700 12,250	6400 13,800	4200 9,000	*5000 *11,000	3800 8,350	8050 320
0 mm 0 in	kg lb			*11 450 *24,750	8200 17,650	*8350 *18,100	5550 11,900	6350 13,650	4100 8,850	*5600 *12,350	3850 8,500	7860 310
–1500 mm –60 in	kg lb	*11 950 *27,150	*11 950 *27,150	*11 300 *24,450	8150 17,550	*8400 *18,150	5500 11,800			6500 14,350	4200 9,300	7350 290
–3000 mm –120 in	kg lb	*14 150 *30,650	*14 150 *30,650	*10 250 *22,200	8250 17,800	*7600 *16,200	5550 12,000			*6800 *14,900	5050 11,250	6470 260
–4500 mm –180 in	kg lb			*7650 *16,000	*7650 *16,000					*6600 *14,500	*6600 *14,500	4980 200

HD Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 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					*5750 *12,600	*5750 *12,600			*4700 *10,350	*4700 *10,350	6830 270
4500 mm 180 in	kg lb			*7250 *15,600	*7250 *15,600	*6200 *13,500	*6200 13,450	*5150	4450	*4600 *10,100	4350 9,650	7570 300
3000 mm 120 in	kg lb			*9100 *19,600	9050 19,550	*7000 *15,200	6000 12,950	*6100 *13,250	4350 9,350	*4700 *10,350	3950 8,750	7960 320
1500 mm 60 in	kg lb			*10 750 *23,150	8550 18,400	*7850 *16,950	5750 12,400	*6450 13,950	4250 9,100	*5000 *11,000	3850 8,400	8050 320
0 mm 0 in	kg lb			*11 450 *24,750	8300 17,850	*8350 *18,100	5600 12,050	6400 13,800	4150 8,950	*5600 *12,350	3900 8,600	7860 310
–1500 mm –60 in	kg lb	*11 950 *27,150	*11 950 *27,150	*11 300 *24,450	8250 17,750	*8400 *18,150	5550 11,950			*6600 *14,500	4250 9,400	7350 290
–3000 mm –120 in	kg lb	*14 150 *30,650	*14 150 *30,650	*10 250 *22,200	8350 18,000	*7600 *16,200	5600 12,100			*6800 *14,900	5100 11,350	6470 260
–4500 mm –180 in	kg lb			*7650 *16,000	*7650 *16,000					*6600 *14,500	*6600 *14,500	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.

323 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	HD Reach Boom			
	Linkage	mm	in	m³	yd³	kg	lb	%	R2.9 (9'6")	R2.5 (8'2")	HD R2.9 (9'6")	HD R2.5 (8'2")
Pin-On (No Quick Coupler)												
Utility Duty	B	600	24	0.39	0.51	503	1,108	100	●	●	●	●
	B	900	36	0.65	0.84	613	1,351	100	●	●	●	●
	B	1200	48	0.95	1.24	733	1,615	100	●	●	●	●
General Duty	B	600	24	0.46	0.60	550	1,212	100	●	●	●	●
	B	750	30	0.64	0.84	621	1,368	100	●	●	●	●
	B	1000	39	0.93	1.22	717	1,580	100	●	●	●	●
	B	1050	42	1.00	1.31	737	1,624	100	●	●	●	●
	B	1050	42	1.00	1.31	737	1,624	100	●	●	●	●
	B	1200	48	1.19	1.56	807	1,778	100	●	●	●	●
	B	1400	55	1.43	1.87	874	1,926	100	X	X	X	●
	B	1500	60	1.58	2.06	914	2,014	100	X	X	X	◉
Heavy Duty	B	600	24	0.46	0.61	635	1,400	100	●	●	●	●
	B	750	30	0.64	0.84	737	1,625	100	●	●	●	●
	B	900	36	0.81	1.06	818	1,804	100	●	●	●	●
	B	1050	42	1.00	1.31	872	1,923	100	●	●	●	●
	B	1200	48	1.19	1.56	929	2,048	100	●	●	●	●
	B	1350	54	1.38	1.81	1036	2,284	100	X	●	X	●
	B	1500	60	1.58	2.06	1094	2,412	100	X	X	X	◉
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	◉	◉	⊖	◉
	B	2000	78	1.76	2.31	1045	2,303	100	⊖	◉	⊖	⊖
	B	2000	78	1.76	2.31	1045	2,303	100	⊖	◉	⊖	⊖
Ditch Cleaning Tilt	B	1800	72	1.40	1.83	1105	2,437	100	◉	●	◉	●
Maximum load with pin-on (payload + bucket)								kg	3710	3980	3545	3810
								lb	8,179	8,774	7,815	8,400

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/m³ (3,500 lb/yd³)
- ◉ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 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	HD Reach Boom			
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")	R2.5 (8'2")	HD R2.9 (9'6")	HD R2.5 (8'2")
With Cat Pin Grabber Coupler												
Utility Duty	B	600	24	0.39	0.51	503	1,108	100	●	●	●	●
	B	900	36	0.65	0.84	613	1,351	100	●	●	●	●
	B	1200	48	0.95	1.24	733	1,615	100	●	●	●	●
General Duty	B	600	24	0.46	0.60	550	1,212	100	●	●	●	●
	B	750	30	0.64	0.84	621	1,368	100	●	●	●	●
	B	1000	39	0.93	1.22	717	1,580	100	●	●	●	●
	B	1050	42	1.00	1.31	737	1,624	100	●	●	●	●
	B	1050	42	1.00	1.31	737	1,624	100	●	●	●	●
	B	1200	48	1.19	1.56	807	1,778	100	●	●	●	●
	B	1400	55	1.43	1.87	874	1,926	100	◉	◉	⊖	◉
	B	1500	60	1.58	2.06	914	2,014	100	⊖	◉	⊖	⊖
Heavy Duty	B	600	24	0.46	0.61	635	1,400	100	●	●	●	●
	B	750	30	0.64	0.84	737	1,625	100	●	●	●	●
	B	900	36	0.81	1.06	818	1,804	100	●	●	●	●
	B	1050	42	1.00	1.31	872	1,923	100	●	●	●	●
	B	1200	48	1.19	1.56	929	2,048	100	●	●	◉	●
	B	1350	54	1.38	1.81	1036	2,284	100	◉	◉	⊖	◉
	B	1500	60	1.58	2.06	1094	2,412	100	⊖	⊖	○	⊖
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	⊖	⊖	○	⊖
	B	2000	78	1.76	2.31	1045	2,303	100	○	⊖	○	○
	B	2000	78	1.76	2.31	1045	2,303	100	○	⊖	○	○
Ditch Cleaning Tilt	B	1800	72	1.40	1.83	1105	2,437	100	◉	●	◉	●
Maximum load with coupler (payload + bucket)								kg	3401	3677	3234	3509
								lb	7,498	8,107	7,131	7,735
Pin-On, TRS20 S70 (No Hook)												
Heavy Duty - Grading S70	B	1600	63	1.00	1.31	691	1,523	100	●	●	◉	●
	B	1800	71	1.10	1.44	758	1,671	100	◉	●	⊖	◉
	B	1150	45	0.90	1.18	778	1,715	100	●	●	◉	●
	B	1280	49	1.10	1.44	850	1,874	100	⊖	◉	⊖	◉
	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●
Maximum load with pin-on (payload + bucket)								kg	2691	2961	2526	2791
								lb	5,933	6,528	5,569	6,153

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/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)

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

PIN-ON ATTACHMENTS

Boom Type		HD Reach Boom			
Stick Length		**R2.9 (9'6")**	**R2.5 (8'2")**	**HD R2.9 (9'6")**	**HD R2.5 (8'2")**
Hydraulic Hammers	H120 GC S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
	H130 GC S		✓†	✓	✓
	H130 S	✓†	✓	✓	✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓
	G324	✓	✓	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top			✓	✓
Pulverizers	P218 Secondary Pulverizer			✓	✓
	P224 Secondary Pulverizer				✓
Mulchers	HM4015	✓	✓	✓	✓
	HM4815			✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓
Rotary Cutters	RC20			✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS

Boom Type		HD Reach Boom			
Stick Length		**R2.9 (9'6")**	**R2.5 (8'2")**	**HD R2.9 (9'6")**	**HD R2.5 (8'2")**
Hydraulic Hammers	H120 GC S	✓†	✓†	✓	✓
	H120 S	✓†	✓†	✓	✓
	H130 GC S	✓†	✓†	✓	✓
	H130 S	✓†	✓†	✓	✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓
	G324		✓		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top				✓
Pulverizers	P218 Secondary Pulverizer			✓	✓
Mulchers	HM4015	✓	✓	✓	✓
	HM4815			✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓
Rotary Cutters	RC20			✓	✓

(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.

Boom Type		**HD Reach Boom**			
Stick Length		**R2.9 (9'6")**	**R2.5 (8'2")**	**HD R2.9 (9'6")**	**HD R2.5 (8'2")**
Hydraulic Hammers	H115 GC 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.

Standard and Optional Equipment

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

	Standard	Optional
BOOMS, STICKS AND LINKAGES		
5.7 m (18'8") HD Reach boom	✓	
2.9 m (9'6") Reach stick		✓
2.9 m (9'6") HD Reach stick		✓
2.5 m (8'2") Reach stick		✓
2.5 m (8'2") HD Reach stick		✓
Bucket linkage, B1-family with lifting eye	✓	
CAB		
Rollover Protective Structure (ROPS)	✓	
Operator Protective Guard (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	✓	
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
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[1]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– Work tool recognition and tracking (PL161)	✓	
– Operator Coaching		✓[2]
Cat Grade:		
– Cat Grade with 2D	✓	
– 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		✓[3]
Cat Assist:		
– Grade Assist	✓	
– Boom Assist	✓	
– Bucket Assist	✓	
– Swing Assist	✓	
– Lift Assist	✓	
Cat Payload:		
– On-the-go weighing	✓	
– Semiautomatic calibration	✓	
– Payload/cycle information	✓	
– VisionLink back office reporting		✓[3]
Cat Advanced Payload:		
– Daily totals		✓
– Custom lists		✓
– Smart weight target		✓
– E-ticket integration		✓[3]
Other:		
Cat Tiltrotator (TRS) integration		✓

[1]Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

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

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

(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)	✓	
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		✓
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 (9,840 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)	✓	
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	✓	
Auto heavy lift	✓	
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	✓	
Hammer return filter circuit		✓
Hydraulic efficiency monitoring		✓
Advanced Tool Control (two pump, one/two way high-pressure flow)	✓	
Medium pressure auxiliary circuit		✓
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓
Fine swing control	✓	

	Standard	Optional
SAFETY AND SECURITY		
Cat Command (remote control)		✓
2D E-Fence: – 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	✓	
RH handrail and handhold	✓	
Swing alarm		✓
Travel alarm	✓	
Inspection lighting		✓
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	✓	
UNDERCARRIAGE AND STRUCTURES		
600 mm (24") HD triple grouser track shoes	✓	
700 mm (28") HD triple grouser track shoes		✓
790 mm (31") HD triple 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	✓	
5400 kg (11,900 lb) counterweight	✓	

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
- 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

- 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 (hydrotreated 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**

© 2025 Caterpillar
All rights reserved

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

CAT, CATERPILLAR, LET'S DO THE WORK, VisionLink, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ3999-01 (11-2025)
Replaces: AEXQ3999-00
Build Number: 07H
(Aus-NZ)