

323

Hydraulic Excavator

Technical Specifications

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

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323 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1	
Net Power		
ISO 9249	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	24 600 kg	54,200 lb

- Long undercarriage, Heavy Duty (HD) Reach boom, HD R2.5 m (8'2") stick, 1.56 m³ (2.04 yd³) Severe Duty Spade (SDS) bucket, 600 mm (24")double grouser shoes, and 5.4 mt (11,900 lb) counterweight.

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	790 mm	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	204 kN	45,861 lbf

Hydraulic System

Main System – Maximum Flow (Implement)	429 L/min (215 × 2 pumps)	113 gal/min (57 × 2 pumps)
Swing System – Maximum Flow	No swing pump	
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	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

Standards

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

Base Machine Configurations	600 mm (24") Double Grouser Shoes		600 mm (24") HD Triple Grouser Shoes		700 mm (28") HD Triple Grouser Shoes		790 mm (31") HD Triple Grouser Shoes	
	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
Base Frame with Track Rollers and Carrier Rollers								
5.4 mt (11,900 lb) Counterweight + Long Undercarriage Base Machine								
HD Reach Boom + HD R2.5 m (8'2") Stick + 1.56 m^3 (2.04 yd^3) SDS Bucket	24 600 (54,200)	51.2 (7.4)	24 600 (54,200)	51.2 (7.4)	25 000 (55,100)	44.6 (6.5)	25 300 (55,800)	40.0 (5.8)
HD Reach Boom + HD R2.9 m (9'6") Stick + 1.56 m^3 (2.04 yd^3) SDS Bucket	24 600 (54,200)	51.2 (7.4)	24 600 (54,200)	51.2 (7.4)	25 000 (55,100)	44.6 (6.5)	25 400 (56,000)	40.1 (5.8)

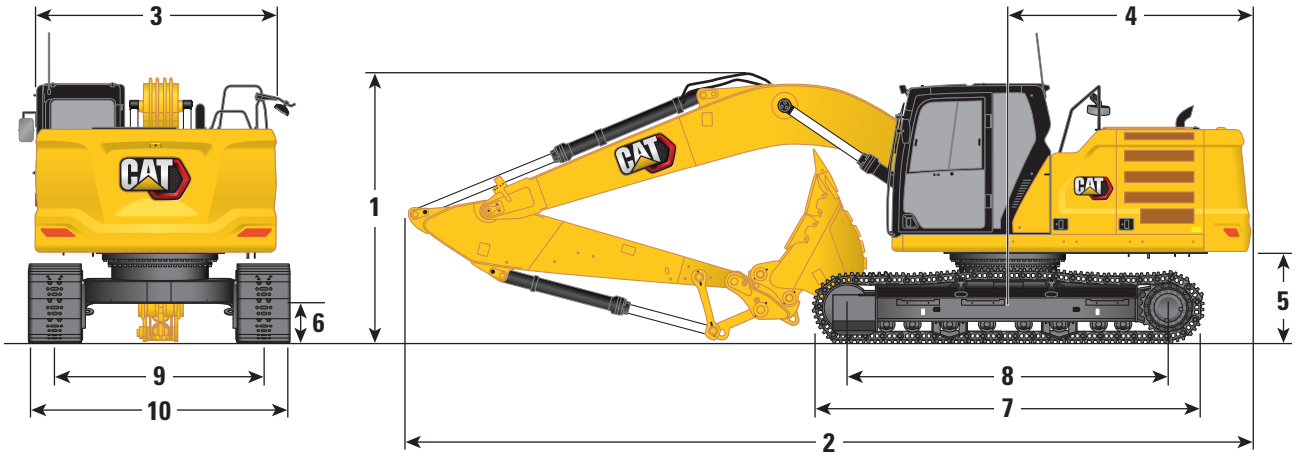
All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

Major Component Weights

	kg	lb
Base Machine (with 5.4 mt [11,900 lb] counterweight, HD swing frame, HD base frame with SD track rollers and standard carrier rollers for long undercarriage – does not include boom, stick, bucket, boom cylinders, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).	16 400	36,100
Track Shoes:		
600 mm (24") Width, 13 mm (0.51") Thick Double Grouser Track Shoes	3080	6,800
600 mm (24") Width, 12.5 mm (0.49") Thick Triple Grouser HD Track Shoes	3080	6,800
700 mm (28") Width, 12.5 mm (0.49") Thick Triple Grouser HD Track Shoes	3490	7,700
790 mm (31") Width, 12.5 mm (0.49") Thick Triple Grouser HD Track Shoes with Step Extension	3800	8,400
Boom Cylinders	340	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweight:		
5.4 mt (11,900 lb) Counterweight	5400	11,900
Swing Frame:		
HD Swing Frame	2090	4,600
Undercarriages:		
HD Base Frame with SD Track Rollers and Standard Carrier Rollers	4470	9,900
SD Base Frame with SD Track Rollers and SD Carrier Rollers	4680	10,300
Boom (including lines, pins, stick cylinder):		
HD Reach Boom 5.7 m (18'8")	2010	4,400
Super Long Reach (SLR) Boom 8.85 m (29'0")	1980	4,400
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
HD Reach Stick R2.9B1 (9'6")	1210	2,700
HD Reach Stick R2.5B1 (8'2")	1180	2600
Super Long Reach Stick 6.28A (20'7")	1340	2,950
Buckets (without linkage):		
1.19 m^3 (1.56 yd^3) Severe Duty (SD)	1070	2,400
1.40 m^3 (1.83 yd^3) Heavy Duty (HD)	960	2,120
1.56 m^3 (2.04 yd^3) SDS	1290	2,800
0.57 m^3 (0.74 yd^3) Ditch Cleaning (DC)	390	850
0.53 m^3 (0.69 yd^3) General Duty (GD)	410	900

Dimensions

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



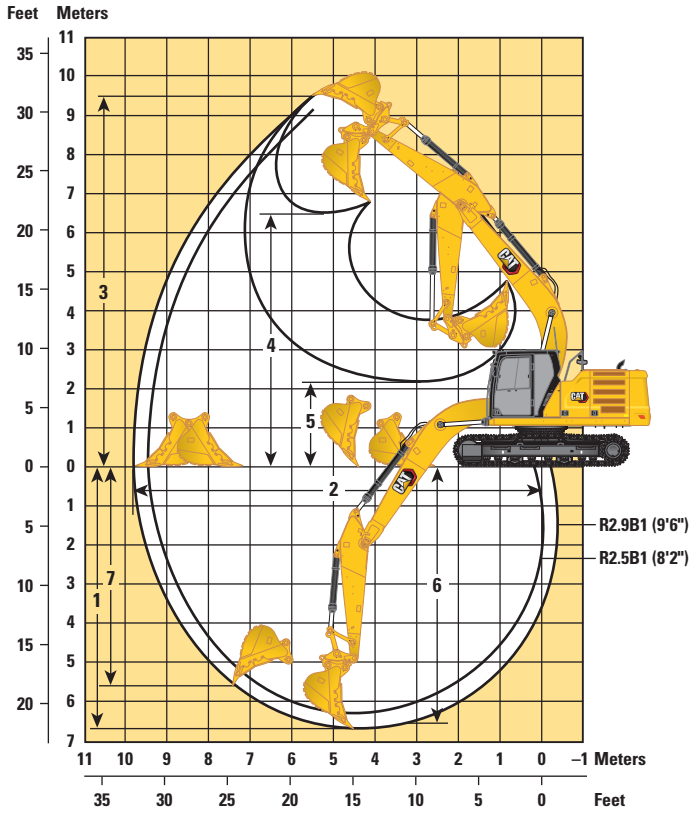
Boom Options	HD Reach Boom 5.7 m (18'8")				Super Long Reach Boom 8.85 m (29'0)	
Stick Options	**HD Reach Sticks**				**Super Long Reach Stick**	
	R2.9B1 (9'6")		**R2.5B1 (8'2")**		**6.28A (20'7")**	
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna 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"	3090 mm	10'2"	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	7'10"	2380 mm	7'10"	2380 mm	7'10"
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	SDS		SDS		DC*	
Bucket Capacity	1.56 m^3	2.04 yd^3	1.56 m^3	2.04 yd^3	0.57 m^3	0.75 yd^3
Bucket Tip Radius	1593 mm	5'3"	1593 mm	5'3"	1073 mm	3'6"

*SLR has same data with 0.53 m^3 (0.69 yd^3) GD bucket/1224 mm (4.0 ft) bucket tip radius.

323 Hydraulic Excavator Specifications

Working Ranges

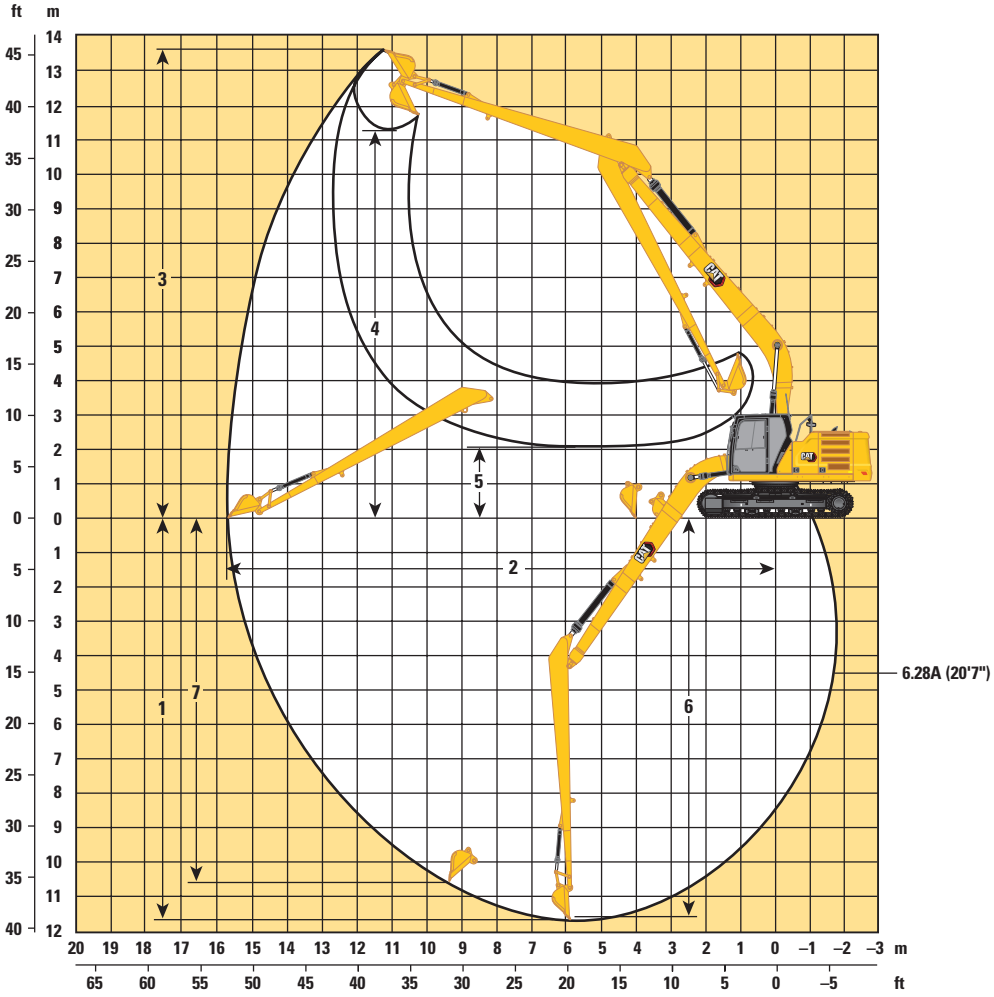
All dimensions are approximate and may vary depending on bucket selection.



Boom Options	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	6740 mm	22'1"	6320 mm	20'9"
2 Maximum Reach at Ground Line	9880 mm	32'4"	9490 mm	31'2"
3 Maximum Cutting Height	9420 mm	30'9"	9220 mm	30'3"
4 Maximum Loading Height	6470 mm	21'2"	6270 mm	20'7"
5 Minimum Loading Height	2150 mm	7'1"	2570 mm	8'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6570 mm	21'6"	6130 mm	20'1"
7 Maximum Vertical Wall Digging Depth	5410 mm	17'7"	5020 mm	16'6"
Bucket Digging Force (ISO)	149 kN	33,533 lbf	149 kN	33,497 lbf
Stick Digging Force (ISO)	106 kN	23,819 lbf	117 kN	26,303 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	162 kN	36,407 lbf	162 kN	36,368 lbf
Stick Digging Force (ISO) – Auto Dig Boost	115 kN	25,860 lbf	127 kN	28,557 lbf
Bucket Type	SDS		SDS	
Bucket Capacity	1.56 m^3	2.04 yd^3	1.56 m^3	2.04 yd^3
Bucket Tip Radius	1593 mm	5'3"	1593 mm	5'3"

Working Ranges *(continued)*

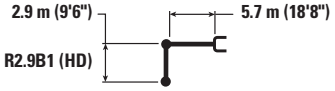
All dimensions are approximate and may vary depending on bucket selection.

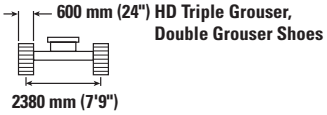


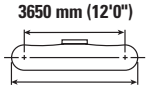
Boom Option	**Super Long Reach Boom 8.85 m (29'0)**			
Stick Options	**Super Long Reach Stick 6.28A (20'7")**			
1 Maximum Digging Depth	11 540 mm	37'10"	11 690 mm	38'4"
2 Maximum Reach at Ground Line	15 570 mm	51'1"	15 730 mm	51'7"
3 Maximum Cutting Height	13 540 mm	44'5"	13 610 mm	44'8"
4 Maximum Loading Height	11 440 mm	37'6"	11 290 mm	37'0"
5 Minimum Loading Height	2240 mm	7'4"	2080 mm	6'10"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 440 mm	37'6"	11 490 mm	37'8"
7 Maximum Vertical Wall Digging Depth	11 020 mm	36'2"	10 560 mm	34'8"
Bucket Digging Force (ISO)	62 kN	13,841 lbf	60 kN	13,489 lbf
Stick Digging Force (ISO)	49 kN	10,966 lbf	49 kN	10,935 lbf
Bucket Type	DC		GD	
Bucket Capacity	0.57 m^3	0.75 yd^3	0.53 m^3	0.69 yd^3
Bucket Tip Radius	1070 mm	3'6"	1230 mm	4'0"

323 Hydraulic Excavator Specifications

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

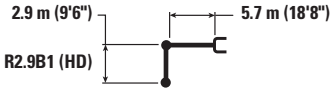




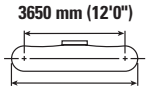


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm 300 in	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in	kg lb							*5300 *11,650	*5300 *11,650			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in	kg lb							*5850 *12,700	*5850 *12,700	*5500 *12,000	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

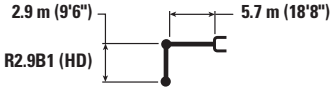
* ISO 10567:2007

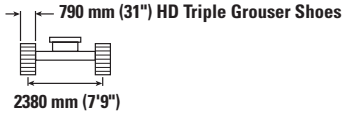
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

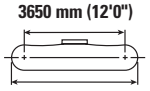
Lift capacity stays with ±5% for all available track shoes.

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

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

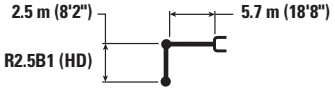


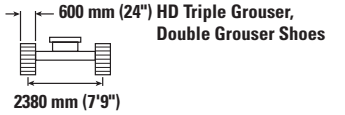


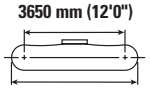


		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm in
7500 mm **300 in**	kg **lb**							*4900	*4900			*4250 ***9,400**	*4250 ***9,400**	6150 **240**
6000 mm **240 in**	kg **lb**							*5300 ***11,650**	*5300 ***11,650**			*3900 ***8,650**	*3900 ***8,650**	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**

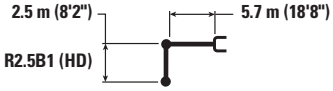
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Lift capacity stays with ±5% for all available track shoes.

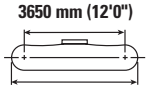
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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

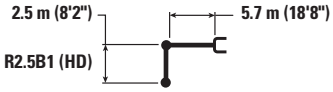




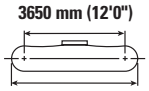


		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm in
7500 mm 300 in	kg lb									*5100 *11,350	*5100 *11,350	5600 220
6000 mm 240 in	kg lb					*5750 *12,600	*5750 *12,600			*4700 *10,350	*4700 *10,350	6830 270
4500 mm 180 in	kg lb			*7250 *15,600	*7250 *15,600	*6200 *13,500	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

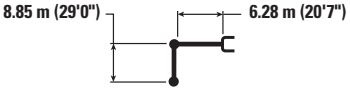
* ISO 10567:2007

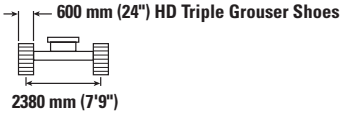
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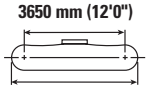
Lift capacity stays with ±5% for all available track shoes.

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

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 **480**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 **420**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 **360**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 **300**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 **240**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 **180**	kg **lb**											*1300 ***2,800**	*1300 ***2,800**	14 340 **570**
3000 **120**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 ***7,800**	*1300 ***2,900**	1300 ***2,900**	14 550 **580**
1500 **60**	kg **lb**					*6750 ***15,950**	*6750 **15,550**	*5250 ***11,300**	4950 **10,700**	*4100 ***8,850**	3700 **7,950**	*1400 ***3,000**	1300 **2,800**	14 600 **580**
0 **0**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4500 **9,750**	*4550 ***9,800**	3400 **7,300**	*1450 ***3,200**	1300 **2,800**	14 490 **570**
–1500 **–60**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	4250 **9,150**	*4850 ***10,450**	3200 **6,850**	*1550 ***3,450**	1300 **2,800**	14 230 **560**
–3000 **–120**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	4100 **8,850**	*5000 ***10,800**	3050 **6,600**	*1750 ***3,800**	1350 **2,950**	13 790 **550**
–4500 **–180**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	*6050 **13,250**	*6400 ***13,800**	4050 **8,750**	*5050 ***10,850**	3000 **6,450**	*1950 ***4,300**	1450 **3,150**	13 170 **520**
–6000 **–240**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	6250 **13,500**	*6150 ***13,250**	4100 **8,850**	*4900 ***10,550**	3050 **6,500**	*2300 ***5,100**	1600 **3,500**	12 340 **490**
–7500 **–300**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	6450 **13,900**	*5650 ***12,150**	4200 **9,100**	*4550 ***9,750**	3100 **6650**	*2700 ***5,950**	1850 **4,150**	11 240 **440**
–9000 **–360**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	*6150 ***13,100**	*4850 ***10,350**	4400 **9,550**	*3900 ***8,300**	3250 **7,000**	*2700 ***5,900**	2350 **5,250**	9800 **380**

* **ISO 10567:2007**

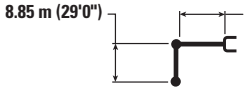
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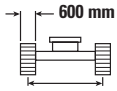
Lift capacity stays with ±5% for all available track shoes.

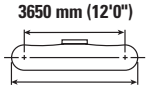
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/520 in				
												mm **in**
12 000 **480**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 **420**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 **360**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	*2200 ***4,200**	2150 ***4,200**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 **300**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	2150 **4,600**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 **240**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	2100 **4,450**	*2100 ***3,700**	1650 **3,500**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 **180**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2550 **5,450**	*2400 ***5,200**	2000 **4,300**	*2300 ***5,000**	1600 **3,400**	*1300 ***2,800**	*1300 ***2,800**	14 340 **570**
3000 **120**	kg **lb**	*3100 ***6,750**	3100 **6,600**	*2800 ***6,000**	2400 **5,150**	*2550 ***5,500**	1950 **4,100**	*2400 ***5,150**	1550 **3,300**	*1300 ***2,900**	1300 ***2,900**	14 550 **580**
1500 **60**	kg **lb**	*3450 ***7,400**	2850 **6,150**	*3000 ***6,450**	2250 **4,850**	*2700 ***5,800**	1850 **3,900**	2450 **5,200**	1500 **3,150**	*1400 ***3,000**	1300 **2,800**	14 600 **580**
0 **0**	kg **lb**	*3700 ***8,050**	2650 **5,700**	*3200 ***6,900**	2150 **4,600**	*2800 **6,100**	1750 **3,700**	2400 **5,100**	1450 **3,050**	*1450 ***3,200**	1300 **2,800**	14 490 **570**
–1500 **–60**	kg **lb**	*3950 ***8,550**	2500 **5,400**	3350 **7,200**	2050 **4,350**	2750 **5,950**	1650 **3,550**	2350 **5,000**	1400 **3,000**	*1550 ***3,450**	1300 **2,800**	14 230 **560**
–3000 **–120**	kg **lb**	4050 **8,650**	2400 **5,200**	3250 **7,000**	1950 **4,200**	2700 **5,850**	1650 **3500**	2300 ***4,200**	1400 **2,950**	*1750 ***3,800**	1350 **2,950**	13 790 **550**
–4500 **–180**	kg **lb**	4000 **8,550**	2350 **5,100**	3250 **6,950**	1950 **4,150**	2700 **5,800**	1600 **3,450**			*1950 ***4,300**	1450 **3,150**	13 170 **520**
–6000 **–240**	kg **lb**	4000 **8,550**	2350 **5,100**	3250 **7,000**	1950 **4,150**	2750 ***5,900**	1650 **3,550**			*2300 ***5,100**	1600 **3,500**	12 340 **490**
–7500 **–300**	kg **lb**	*3750 ***7,950**	2450 **5,250**	*3050 ***6,450**	2000 **4,350**					*2700 ***5,950**	1850 **4,150**	11 240 **440**
–9000 **–360**	kg **lb**	*3150 ***6,500**	2550 **5,550**							*2700 ***5,900**	2350 **5,250**	9800 **380**

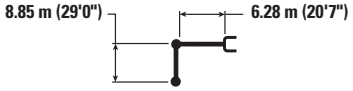
* **ISO 10567:2007**

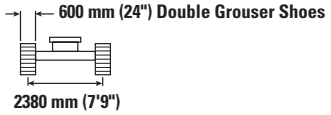
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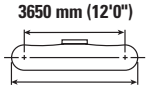
Lift capacity stays with ±5% for all available track shoes.

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

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 **480**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 **420**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 **360**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 **300**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 **240**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 **180**	kg **lb**											*1300 ***2,800**	*1300 ***2,800**	14 340 **570**
3000 **120**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 ***7,800**	*1300 ***2,900**	1300 ***2,900**	14 550 **580**
1500 **60**	kg **lb**					*6750 ***15,950**	*6750 **15,550**	*5250 ***11,300**	4950 **10,700**	*4100 ***8,850**	3700 **7,950**	*1400 ***3,000**	1300 **2,800**	14 600 **580**
0 **0**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4500 **9,750**	*4550 ***9,800**	3400 **7,300**	*1450 ***3,200**	1300 **2,800**	14 490 **570**
–1500 **–60**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	4250 **9,150**	*4850 ***10,450**	3200 **6,850**	*1550 ***3,450**	1300 **2,800**	14 230 **560**
–3000 **–120**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	4100 **8,850**	*5000 ***10,800**	3050 **6,600**	*1750 ***3,800**	1350 **2,950**	13 790 **550**
–4500 **–180**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	*6050 **13,250**	*6400 ***13,800**	4050 **8,750**	*5050 ***10,850**	3000 **6,450**	*1950 ***4,300**	1450 **3,150**	13 170 **520**
–6000 **–240**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	*6250 **13,500**	*6150 ***13,250**	4100 **8,850**	*4900 ***10,550**	3000 **6,500**	*2300 ***5,100**	1600 **3,500**	12 340 **490**
–7500 **–300**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	6450 **13,900**	*5650 ***12,150**	4200 **9,100**	*4550 ***9,750**	3100 **6,650**	*2700 ***5,950**	1850 **4,150**	11 240 **440**
–9000 **–360**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	*6150 ***13,100**	*4850 ***10,350**	4400 **9,500**	*3900 ***8,300**	3250 **7,000**	*2700 ***5,900**	2350 **5,250**	9800 **380**

* **ISO 10567:2007**

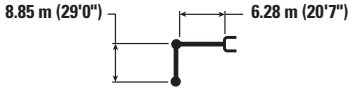
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

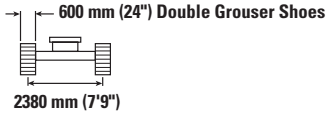
Lift capacity stays with ±5% for all available track shoes.

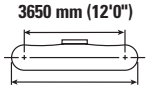
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/520 in				
												mm **in**
12 000 **480**	kg **lb**									*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 **420**	kg **lb**			*2200 ***4,850**	*2200 ***4,850**					*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 **360**	kg **lb**			*2200 ***4,800**	*2200 ***4,800**	2200 ***4,200**	2150 ***4,200**			*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 **300**	kg **lb**			*2250 ***4,900**	*2250 ***4,900**	*2200 ***4,850**	2150 **4,600**			*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 **240**	kg **lb**			*2400 ***5,200**	*2400 ***5,200**	*2300 ***5,000**	2100 **4,450**	*2100 ***3,700**	1650 **3,500**	*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 **180**	kg **lb**	*2800 ***6,050**	*2800 ***6,050**	*2550 ***5,550**	2550 **5,450**	*2400 ***5,200**	2000 **4,300**	*2300 ***5,000**	1600 **3,400**	*1300 ***2,800**	*1300 ***2,800**	14 340 **570**
3000 **120**	kg **lb**	*3100 ***6,750**	3100 **6,600**	*2800 ***6,000**	2400 **5,150**	*2550 ***5,500**	1950 **4,100**	*2400 ***5,150**	1550 **3,300**	*1300 ***2,900**	1300 ***2,900**	14 550 **580**
1500 **60**	kg **lb**	*3450 ***7,400**	2850 **6,150**	*3000 ***6,450**	2250 **4,850**	*2700 ***5,800**	1850 **3,900**	2450 **5,200**	1500 **3,150**	*1400 ***3,000**	1300 **2,800**	14 600 **580**
0 **0**	kg **lb**	*3700 ***8,050**	2650 **5,700**	*3200 ***6,900**	2150 **4,550**	*2800 **6,100**	1750 **3,700**	2400 **5,100**	1450 **3,050**	*1450 ***3,200**	1300 **2,800**	14 490 **570**
–1500 **–60**	kg **lb**	*3950 ***8,550**	2500 **5,400**	3350 **7,150**	2050 **4,350**	2750 **5,950**	1650 **3,550**	2350 **5,000**	1400 **3,000**	*1550 ***3,450**	1300 **2,800**	14 230 **560**
–3000 **–120**	kg **lb**	4000 **8,650**	2400 **5,150**	3250 **7,000**	1950 **4,200**	2700 **5,850**	1650 **3,500**	2300 ***4,200**	1400 **2,950**	*1750 ***3,800**	1350 **2,950**	13 790 **550**
–4500 **–180**	kg **lb**	3950 **8,550**	2350 **5,100**	3250 **6,950**	1950 **4,150**	2700 **5,800**	1600 **3,450**			*1950 ***4,300**	1450 **3,150**	13 170 **520**
–6000 **–240**	kg **lb**	4000 **8,550**	2350 **5,100**	3250 **6,950**	1950 **4,150**	2750 ***5,900**	1650 **3,550**			*2300 ***5,100**	1600 **3,500**	12 340 **490**
–7500 **–300**	kg **lb**	*3750 ***7,950**	2450 **5,250**	*3050 ***6,450**	2000 **4,300**					*2700 ***5,950**	1850 **4,150**	11 240 **440**
–9000 **–360**	kg **lb**	*3150 ***6,500**	2550 **5,550**							*2700 ***5,900**	2350 **5,250**	9800 **380**

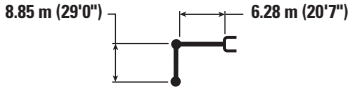
* **ISO 10567:2007**

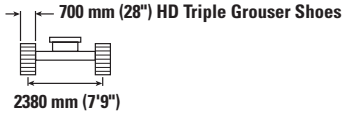
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

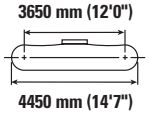
Lift capacity stays with ±5% for all available track shoes.

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

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 **480**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 **420**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 **360**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 **300**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 **240**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 **180**	kg **lb**											*1300 ***2,800**	*1300 ***2,800**	14 340 **570**
3000 **120**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 ***7,800**	*1300 ***2,900**	1300 ***2,900**	14 550 **580**
1500 **60**	kg **lb**					*6750 ***15,950**	*6750 **15,800**	*5250 ***11,300**	5050 **10,900**	*4100 ***8,850**	3750 **8,100**	*1400 ***3,000**	1300 **2,800**	14 600 **580**
0 **0**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4600 **9,900**	*4550 ***9,800**	3450 **7,450**	*1450 ***3,200**	1300 **2,800**	14 490 **570**
–1500 **–60**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	4350 **9,300**	*4850 ***10,450**	3250 **7,000**	*1550 ***3,450**	1300 **2,800**	14 230 **560**
–3000 **–120**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	4200 **9,000**	*5000 ***10,800**	3150 **6,700**	*1750 ***3,800**	1350 **2,950**	13 790 **550**
–4500 **–180**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	*6050 **13,500**	*6400 ***13,800**	4150 **8,950**	*5050 ***10,850**	3100 **6,600**	*1950 ***4,300**	1450 **3,150**	13 170 **520**
–6000 **–240**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	6400 **13,750**	*6150 ***13,250**	4200 **9,050**	*4900 ***10,550**	3100 **6,650**	*2300 ***5,100**	1600 **3,500**	12 340 **490**
–7500 **–300**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	6600 **14,200**	*5650 ***12,150**	4300 **9,300**	*4550 ***9,750**	3150 **6,800**	*2700 ***5,950**	1850 **4,150**	11 240 **440**
–9000 **–360**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	*6150 ***13,100**	*4850 ***10,350**	4500 **9,700**	*3900 ***8,300**	3300 **7,150**	*2700 ***5,900**	2350 **5,250**	9800 **380**

* **ISO 10567:2007**

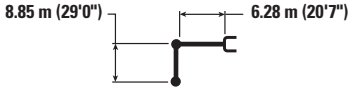
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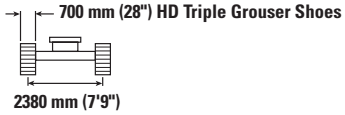
Lift capacity stays with ±5% for all available track shoes.

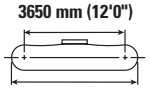
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/520 in				
												mm in
12 000 480	kg lb									*1450 *3,200	*1450 *3,200	10 350 400
10 500 420	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 460
9000 360	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	*2200 *4,200			*1300 *2,850	*1300 *2,850	12 660 500
7500 300	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	2200 4,650			*1250 *2,800	*1250 *2,800	13 410 530
6000 240	kg lb			*2400 *5,200	*2400 *5,200	*2300 *5,000	2150 4,550	*2100 *3,700	1700 3,550	*1250 *2,750	*1250 *2,750	13 970 550
4500 180	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	*2550 *5,550	*2400 *5,200	2050 4,400	*2300 *5,000	1650 3,500	*1300 *2,800	*1300 *2,800	14 340 570
3000 120	kg lb	*3100 *6,750	*3100 6,700	*2800 *6,000	2450 5,250	*2550 *5,500	1950 4,200	*2400 *5,150	1600 3,350	*1300 *2,900	1300 *2,900	14 550 580
1500 60	kg lb	*3450 *7,400	2900 6,250	*3000 *6,450	2300 4,950	*2700 *5,800	1850 4,000	*2450 5,350	1550 3,250	*1400 *3,000	1300 2,800	14 600 580
0 0	kg lb	*3700 *8,050	2700 5,800	*3200 *6,900	2200 4,650	*2800 *6,100	1800 3,800	2450 5,200	1450 3,150	*1450 *3,200	1300 2,800	14 490 570
–1500 –60	kg lb	*3950 *8,550	2550 5,500	*3350 *7,250	2100 4,450	2850 6,050	1700 3,650	2400 5,100	1450 3,050	*1550 *3,450	1300 2,800	14 230 560
–3000 –120	kg lb	*4100 8,800	2450 5,300	3350 7,150	2000 4,300	2800 5,950	1650 3,550	2350 *4,200	1400 3,000	*1750 *3,800	1350 2,950	13 790 550
–4500 –180	kg lb	4050 8,700	2400 5,200	3300 7,100	1950 4,200	2750 5,950	1650 3,550			*1950 *4,300	1450 3,150	13 170 520
–6000 –240	kg lb	*4000 *8,650	2400 5,200	3300 7,100	2000 4,250	*2800 *5,900	1700 3,600			*2300 *5,100	1600 3,500	12 340 490
–7500 –300	kg lb	*3750 *7,950	2500 5,350	*3050 *6,450	2050 4,400					*2700 *5,950	1850 4,150	11 240 440
–9000 –360	kg lb	*3150 *6,500	2600 5,650							*2700 *5,900	2350 5,250	9800 380

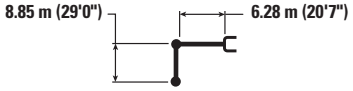
* ISO 10567:2007

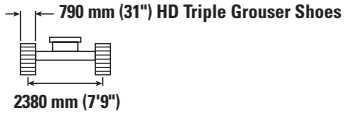
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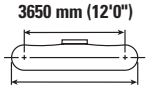
Lift capacity stays with ±5% for all available track shoes.

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

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







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
12 000 **480**	kg **lb**											*1450 ***3,200**	*1450 ***3,200**	10 350 **400**
10 500 **420**	kg **lb**											*1350 ***2,950**	*1350 ***2,950**	11 660 **460**
9000 **360**	kg **lb**											*1300 ***2,850**	*1300 ***2,850**	12 660 **500**
7500 **300**	kg **lb**											*1250 ***2,800**	*1250 ***2,800**	13 410 **530**
6000 **240**	kg **lb**											*1250 ***2,750**	*1250 ***2,750**	13 970 **550**
4500 **180**	kg **lb**											*1300 ***2,800**	*1300 ***2,800**	14 340 **570**
3000 **120**	kg **lb**			*4700 ***11,800**	*4700 ***11,800**	*6050 ***12,900**	*6050 ***12,900**	*4450 ***9,550**	*4450 ***9,550**	*3600 ***7,800**	*3600 ***7,800**	*1300 ***2,900**	1300 ***2,900**	14 550 **580**
1500 **60**	kg **lb**					*6750 ***15,950**	*6750 ***15,950**	*5250 ***11,300**	5100 **11,050**	*4100 ***8,850**	3800 **8,200**	*1400 ***3,000**	1300 **2,800**	14 600 **580**
0 **0**	kg **lb**			*2000 ***4,550**	*2000 ***4,550**	*4650 ***10,700**	*4650 ***10,700**	*5900 ***12,700**	4650 **10,050**	*4550 ***9,800**	3500 **7,550**	*1450 ***3,200**	1300 **2,800**	14 490 **570**
–1500 **–60**	kg **lb**	*2100 ***4,600**	*2100 ***4,600**	*2700 ***6,050**	*2700 ***6,050**	*4650 ***10,500**	*4650 ***10,500**	*6250 ***13,550**	4400 **9,450**	*4850 ***10,450**	3300 **7,100**	*1550 ***3,450**	1300 **2,800**	14 230 **560**
–3000 **–120**	kg **lb**	*2850 ***6,350**	*2850 ***6,350**	*3500 ***7,850**	*3500 ***7,850**	*5200 ***11,700**	*5200 ***11,700**	*6400 ***13,900**	4250 **9,150**	*5000 ***10,800**	3150 **6,800**	*1750 ***3,800**	1350 **2,950**	13 790 **550**
–4500 **–180**	kg **lb**	*3650 ***8,150**	*3650 ***8,150**	*4400 ***9,900**	*4400 ***9,900**	*6050 ***13,700**	*6050 **13,700**	*6400 ***13,800**	4200 **9,050**	*5050 ***10,850**	3100 **6,700**	*1950 ***4,300**	1450 **3,150**	13 170 **520**
–6000 **–240**	kg **lb**	*4550 ***10,100**	*4550 ***10,100**	*5400 ***12,150**	*5400 ***12,150**	*7200 ***16,300**	6500 **13,950**	*6150 ***13,250**	4250 **9,150**	*4900 ***10,550**	3150 **6,750**	*2300 ***5,100**	1600 **3,500**	12 340 **490**
–7500 **–300**	kg **lb**	*5500 ***12,250**	*5500 ***12,250**	*6550 ***14,800**	*6550 ***14,800**	*7300 ***15,650**	6650 **14,350**	*5650 ***12,150**	4350 **9,400**	*4550 ***9,750**	3200 **6,900**	*2700 ***5,950**	1850 **4,150**	11 240 **440**
–9000 **–360**	kg **lb**			*7950 ***17,450**	*7950 ***17,450**	*6150 ***13,100**	*6150 ***13,100**	*4850 ***10,350**	4550 **9,850**	*3900 ***8,300**	3350 **7,250**	*2700 ***5,900**	2350 **5,250**	9800 **380**

* **ISO 10567:2007**

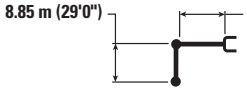
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

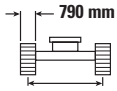
Lift capacity stays with ±5% for all available track shoes.

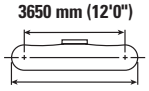
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

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







		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/520 in				
												mm in
12 000 480	kg lb									*1450 *3,200	*1450 *3,200	10 350 400
10 500 420	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 460
9000 360	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	*2200 *4,200			*1300 *2,850	*1300 *2,850	12 660 500
7500 300	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	2200 4,700			*1250 *2,800	*1250 *2,800	13 410 530
6000 240	kg lb			*2400 *5,200	*2400 *5,200	*2300 *5,000	2150 4,600	*2100 *3,700	1700 3,600	*1250 *2,750	*1250 *2,750	13 970 550
4500 180	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	*2550 *5,550	*2400 *5,200	2100 4,450	*2300 *5,000	1650 3,550	*1300 *2,800	*1300 *2,800	14 340 570
3000 120	kg lb	*3100 *6,750	*3100 *6,750	*2800 *6,000	2500 5,350	*2550 *5,500	2000 4,250	*2400 *5,150	1600 3,400	*1300 *2,900	1300 *2,900	14 550 580
1500 60	kg lb	*3450 *7,400	2950 6,300	*3000 *6,450	2350 5,000	*2700 *5,800	1900 4,050	*2450 *5,350	1550 3,300	*1400 *3,000	1300 2,800	14 600 580
0 0	kg lb	*3700 *8,050	2750 5,900	*3200 *6,900	2200 4,750	*2800 *6,100	1800 3,850	2450 5,300	1500 3,200	*1450 *3,200	1300 2,800	14 490 570
–1500 –60	kg lb	*3950 *8,550	2600 5,600	*3350 *7,250	2100 4,500	2850 6,150	1750 3,700	2400 5,200	1450 3,100	*1550 *3,450	1300 2,800	14 230 560
–3000 –120	kg lb	*4100 *8,850	2500 5,350	3400 7,250	2050 4,350	2800 6,050	1700 3,600	2400 *4,200	1450 3,050	*1750 *3,800	1350 2,950	13 790 550
–4500 –180	kg lb	4100 8,850	2450 5,250	3350 7,200	2000 4,300	2800 6,050	1700 3,600			*1950 *4,300	1450 3,150	13 170 520
–6000 –240	kg lb	*4000 *8,650	2450 5,300	3350 *7,200	2000 4,300	*2800 *5,900	1700 3,650			*2300 *5,100	1600 3,500	12 340 490
–7500 –300	kg lb	*3750 *7,950	2500 5,400	*3050 *6,450	2100 4,500					*2700 *5,950	1850 4,150	11 240 440
–9000 –360	kg lb	*3150 *6,500	2650 5,750							*2700 *5,900	2350 5,250	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.

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	HD Reach	
		mm	in	m^3	yd^3	kg	lb	%	HD R2.5 (8'2")	HD R2.9 (9'6")
Pin-On (No Quick Coupler)										
General Duty	B	1050	42	1.00	1.31	737	1,624	100	●	●
	B	1050	42	1.16	1.52	848	1,869	100	●	●
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	●	●
	B	1200	48	1.19	1.56	928	2,046	100	●	●
Heavy Duty Spade	B	1350	54	1.40	1.83	1025	2,260	100	●	◉
Severe Duty	B	1200	48	1.19	1.56	1038	2,289	90	●	●
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	●	●
	B	1350	54	1.56	2.04	1213	2,674	90	◉	⊖
Maximum load with pin-on (payload + bucket)								kg	3825	3555
								lb	8,433	7,837

	Linkage	Width		Capacity		Weight		Fill	HD Reach	
		mm	in	m^3	yd^3	kg	lb	%	HD R2.5 (8'2")	HD R2.9 (9'6")
With Cat Pin Grabber Coupler										
General Duty	B	1050	42	1.00	1.31	737	1,624	100	●	●
	B	1050	42	1.16	1.52	848	1,869	100	●	●
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	●	●
	B	1200	48	1.19	1.56	928	2,046	100	●	◉
Heavy Duty Spade	B	1350	54	1.40	1.83	1025	2,260	100	◉	⊖
Severe Duty	B	1200	48	1.19	1.56	1038	2,289	90	●	●
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	●	●
	B	1350	54	1.56	2.04	1213	2,674	90	⊖	⊖
Maximum load with coupler (payload + bucket)								kg	3526	3248
								lb	7,773	7,160

	Linkage	Width		Capacity		Weight		Fill	HD Reach	
		mm	in	m^3	yd^3	kg	lb	%	HD R2.5 (8'2")	HD R2.9 (9'6")
Pin-On, TRS20 S70										
Heavy Duty – Grading	B	1600	63	1.00	1.31	691	1,523	100	●	●
	B	1800	71	1.10	1.44	758	1,671	100	●	◉
Heavy Duty – Digging	B	1150	45	0.90	1.18	778	1,715	100	●	●
	B	1280	49	1.10	1.44	850	1,874	100	●	◉
Heavy Duty – Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●
Maximum load with pin-on (payload + bucket)								kg	3055	2790
								lb	6,735	6,151

	Linkage	Width		Capacity		Weight		Fill	HD Reach	
		mm	in	m^3	yd^3	kg	lb	%	HD R2.5 (8'2")	HD R2.9 (9'6")
With HCS70, TRS20 HCS70										
Heavy Duty – Grading	B	1600	63	1.00	1.31	691	1,523	100	◉	◉
	B	1800	71	1.10	1.44	758	1,671	100	◉	⊖
Heavy Duty – Digging	B	1150	45	0.90	1.18	778	1,715	100	●	◉
	B	1280	49	1.10	1.44	850	1,874	100	⊖	○
Heavy Duty – Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●
Maximum load with pin-on (payload + bucket)								kg	2673	2408
								lb	5,893	5,309

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/m³ (3,500 lb/yd³)
- ◉ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- ○ 1200 kg/m³ (2,000 lb/yd³)

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 | No Match | ● 1800 kg/m³ (3,000 lb/yd³) | ○ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Boom Type		HD Reach	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC S	✓	✓
	H130 S	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓
	MP318 Demolition Jaw	✓	✓
	MP318 Pulverizer Jaw	✓	✓
	MP318 Shear Jaw	✓	✓
	MP318 Tank Shear Jaw	✓	✓
	MP318 Universal Jaw	✓	✓
	MP324 Concrete Cutter Jaw	✓	✓
	MP324 Demolition Jaw	✓	✓
	MP324 Pulverizer Jaw	✓	
	MP324 Shear Jaw	✓	✓
	MP324 Tank Shear Jaw	✓	✓
	MP324 Universal Jaw	✓	✓
Demolition and Sorting Grapples	G318	✓	✓
	G324	✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P224 Secondary Pulverizer	✓	
	P318 Primary Pulverizer	✓	✓
	P324 Primary Pulverizer	✓	
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Orange Peel Grapples	GSH420-500	●	●
	GSH420-600	●	●
	GSH420-750	●	●
	GSH425-750	●	●
	GSH425-950	●	●
	GSH425-1150	○	○
	GSH520-500	●	●
	GSH520-600	●	●
	GSH520-750	●	●
	GSH525-750	●	●
	GSH525-950	○	○
	GSH525-1150	○	

(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 ☐ No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Boom Type		HD Reach	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC S	✓	✓
	H130 S	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓
	MP318 Demolition Jaw	✓	✓
	MP318 Pulverizer Jaw	✓	✓
	MP318 Shear Jaw	✓	✓
	MP318 Tank Shear Jaw	✓	✓
	MP318 Universal Jaw	✓	✓
	MP324 Concrete Cutter Jaw	✓	
	MP324 Demolition Jaw	✓	
	MP324 Shear Jaw	✓	
Demolition and Sorting Grapples	G318	✓	✓
	G324	✓	
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓

(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 ☐ No Match

S70 DEDICATED COUPLER ATTACHMENTS

Boom Type		HD Reach	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	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	✓	✓
	MP324 Concrete Cutter Jaw	✓	
	MP324 Demolition Jaw	✓	
	MP324 Shear Jaw	✓	
	MP324 Tank Shear Jaw	✓	
	MP324 Universal Jaw	✓	
Demolition and Sorting Grapples	G318	✓	✓
	G324	✓	
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓
	P324 Primary Pulverizer	✓	
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

HCS70 DEDICATED COUPLER ATTACHMENTS

Boom Type		HD Reach	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H120 GC	✓	✓
	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	✓	✓
	MP324 Concrete Cutter Jaw	✓	
	MP324 Demolition Jaw	✓	
	MP324 Shear Jaw	✓	
Demolition and Sorting Grapples	G318	✓	✓
	G324	✓	
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

(continued on next page)

Attachments Offering Guide *(continued)*

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

✓ Match ☐ No Match

HCS70/55 DEDICATED COUPLER ATTACHMENTS

Boom Type		HD Reach	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H120 GC	✓	✓
	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	✓	✓
	MP324 Concrete Cutter Jaw	✓	
	MP324 Shear Jaw	✓	
Demolition and Sorting Grapples	G318	✓	✓
	G324	✓	
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	
Pulverizers	P218 Secondary Pulverizer	✓	✓
	P318 Primary Pulverizer	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Rotary Cutters	RC20	✓	✓

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	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
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.

TRS20 (HCS70 TOP / HCS70 BOTTOM) ATTACHMENTS

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

Boom Type		HD Reach	
Stick Length		**HD R2.5 (8'2")**	**HD R2.9 (9'6")**
Hydraulic Hammers	H115 S	✓	✓
	H120 S	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.
The TRS18 has been replaced by TRS20. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

BOOM-MOUNT ATTACHMENTS

Boom Type		HD Reach
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	✓	
Automatic engine speed control	✓	
Automatic 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	✓	
Reversible electric cooling fans	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Heavy lift configuration	✓	
Electronic main control valve	✓	
Auto Dig Boost	✓[1]	
Auto heavy lift	✓[1]	
Automatic warm up	✓	
Automatic 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		✓
Combined flow/high pressure auxiliary circuit		✓
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓

[1]Not available for Super Long Reach.

	Standard	Optional
UNDERCARRIAGE AND STRUCTURES		
600 mm (24") double grouser shoes		✓
600 mm (24") HD triple grouser shoes		✓
700 mm (28") HD triple grouser shoes		✓
790 mm (31") HD triple grouser shoes		✓
Tie-down points on base frame	✓	
Segmented track guiding guards		✓
Full-length track guiding guards		✓
HD bottom guards	✓	
Swivel guard	✓	
HD travel motor guards	✓	
Grease lubricated track links	✓	
5400 kg (11,900 lb) counterweight	✓	
HD swing frame	✓	
HD swing bearing	✓	
HD base frame with SD track rollers and standard carrier rollers	✓	
SD base frame with SD track rollers and SD carrier rollers for long undercarriage		✓
BOOMS, 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		✓
Bucket linkage, B1 type with lifting eye	✓	
Bucket linkage, B1-type with lifting eye for SLR		✓
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	✓	
LED chassis light, LH and RH boom lights, cab lights with cover and rain protector – for use with 360° visibility		✓
Premium surround lighting package		✓

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[2]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– Work tool recognition and tracking (PL161)	✓[3]	
– Operator Coaching		✓[4]
Cat Grade:		
– Cat Grade with 2D	✓[5]	
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓
– Laser catcher		✓
– Cat Grade with 3D (single or dual GNSS)		✓
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓	
– Cat Grade 3D Ready		✓
Cat Assist:[5]		
– Grade Assist	✓	
– Boom Assist	✓	
– Bucket Assist	✓	
– Swing Assist	✓	
– Lift Assist	✓	
Cat Payload:[5]		
– On-the-go weighing	✓	
– Semiautomatic calibration	✓	
– Payload/cycle information	✓	
– VisionLink back office reporting		✓[6]
Cat Advanced Payload:		
– Daily totals		✓
– Custom lists		✓
– Smart weight target		✓
– E-ticket integration		✓[6]
Other:		
Cat Tiltrotator (TRS) integration		✓

[2]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.

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

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

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

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

	Standard	Optional
SERVICE AND MAINTENANCE		
S·O·S℠ ports	✓	
QuickEvac™ maintenance ready		✓
Grouped location for engine oil and fuel filters	✓	
Ground-level second dipstick for engine oil	✓	
Radiator screen		✓
Integrated vehicle health management system	✓	
SAFETY AND SECURITY		
Cat Command (remote control)		✓
2D E-Fence: – E-ceiling – E-floor – E-swing – E-wall – E-cab avoidance	✓[5]	
Auto hammer stop	✓	
Rearview camera and side RH mirror	✓	
360° visibility (must be used with 254 mm [10 in] monitor and cab light with cover)		✓
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		✓
Inspection lighting		✓
Travel alarm	✓	

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
- Tool box
- Auxiliary relay

ELECTRICAL

- Premium surround working lights

GUARDS

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

MAINTENANCE

- Jump start wiring
- Duct ready kit

SAFETY AND SECURITY

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

OTHER ATTACHMENTS

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

Cab Options

	Comfort	Deluxe
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, 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") seat belt	●	●
Monitor integrated Bluetooth radio with USB/Aux 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	○	○

● Standard

○ Optional

X Not available

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**

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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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(S Am [except
Chile, Colombia])