



# 323

## Hydraulic Excavator

# Technical Specifications

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

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# 323 Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C7.1	
Net Power		
ISO 9249	128.5 kW	172 hp
ISO 9249 (DIN)	175 hp (metric)	
Engine Power		
ISO 14396	129.4 kW	174 hp
ISO 14396 (DIN)	176 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in <sup>3</sup>
Biodiesel Capability	Up to B20 <sup>(1)</sup>	

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

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

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

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

\*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.

## Swing Mechanism

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

## Weights

Operating Weight	24 400 kg	53,800 lb
• Long undercarriage, HD Reach Boom, R2.9 (9'6") Stick, 1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> ) HD bucket and 600 mm (24 in) HD triple grouser shoes and 5.4 mt (11,900 lb) counterweight.		

## Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
	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 – Long Undercarriage	203 kN	45,614 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (214.5 × 2 pumps)	113 gal/min (56.5 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Heavy Lift Mode/Auto Dig Boost	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	27 500 kPa	3,998 psi
Boom Cylinder – Bore	125 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	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	25 L	6.6 gal
Swing Drive (each)	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
Diesel Exhaust Fluid (DEF) Tank	41 L	10.8 gal

## Sound Performance

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

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

## Standards

Brakes	ISO 10265:2008
Cab/ROPS	ISO 12117-2:2008
FOGS (optional)	ISO 10262:1998 Level II

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## 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) Triple Grouser Shoes			
	Weight		Ground Pressure		Weight		Ground Pressure		Weight		Ground Pressure	
	kg	lb	kPa	psi	kg	lb	kPa	psi	kg	lb	kPa	psi
<b>Base Machine Configurations</b>												
<b>Base Frame with Track Rollers and Carrier Rollers</b>												
<b>5.4 mt (11,900 lb) Counterweight + Long Undercarriage Base Machine</b>												
HD Reach Boom + R2.9 (9'6") Stick + 1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> ) HD	24 100	53,100	50.1	7.3	24 800	54,700	44.2	6.4	25 100	55,300	39.7	5.7

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

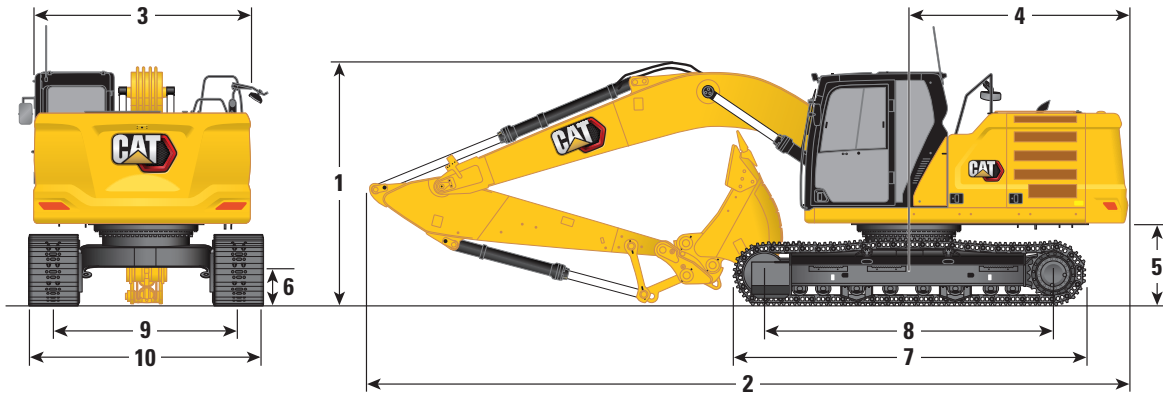
## Major Component Weights

	kg	lb
Base Machine (with 5.4 mt [11,900 lb], counterweight, HD swing frame, HD base frame with SD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	16 700	36,800
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
Super Long Reach Boom (8.85 m/29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R2.9B1/9'6")	990	2,200
Reach Stick (R2.5B1/8'2")	970	2,100
Super Long Reach Stick (6.28A/20'7")	1340	3,000
Buckets (without linkage):		
1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> ) HD	960	2,100
0.57 m <sup>3</sup> (0.75 yd <sup>3</sup> ) DC	390	900
0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD	410	900
Quick Couplers:		
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")

**SLR Boom**  
8.85 m (29'0")

### Stick Options

**Reach Stick**  
R2.9B1 (9'6")

**Reach Stick**  
R2.5B1 (8'2")

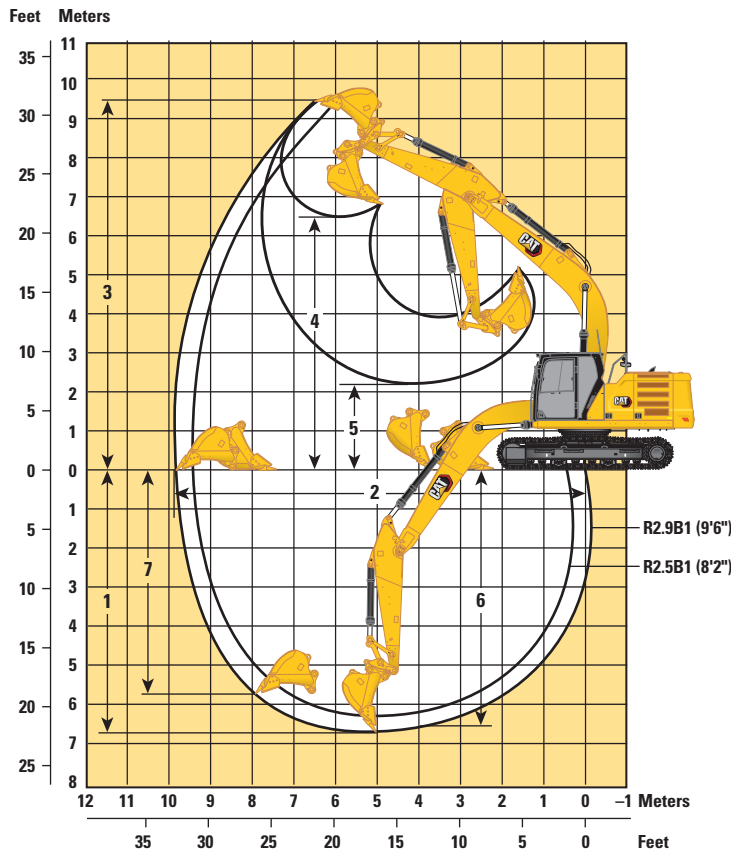
**SLR Stick**  
6.28A (20'7")

	HD Reach Boom 5.7 m (18'8")		HD Reach Boom 5.7 m (18'8")		SLR Boom 8.85 m (29'0")	
	Reach Stick R2.9B1 (9'6")		Reach Stick R2.5B1 (8'2")		SLR Stick 6.28A (20'7")	
<b>1</b> Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of FOGS Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'9"	2950 mm	9'9"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3160 mm	10'4"	3190 mm	10'5"
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	8'9"
<b>2</b> 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"
<b>3</b> Upperframe Width	2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
<b>4</b> Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"	2830 mm	9'3"
<b>5</b> Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"	1050 mm	3'5"
<b>6</b> Ground Clearance	470 mm	1'7"	470 mm	1'7"	470 mm	1'7"
<b>7</b> Track Length	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
<b>8</b> Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
<b>9</b> Track Gauge	2380 mm	7'9"	2380 mm	7'9"	2380 mm	7'9"
<b>10</b> Undercarriage Width:						
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"	3170 mm	10'5"
Bucket Type	HD		HD		GD	
Bucket Capacity	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>	0.53 m <sup>3</sup>	0.69 yd <sup>3</sup>
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"	1220 mm	4'0"

# 323 Hydraulic Excavator Specifications

## Working Ranges

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



### Boom Option

**HD Reach Boom**  
5.7 m (18'8")

### Stick Options

**Reach Stick**  
R2.9B1 (9'6")

**Reach Stick**  
R2.5B1 (8'2")

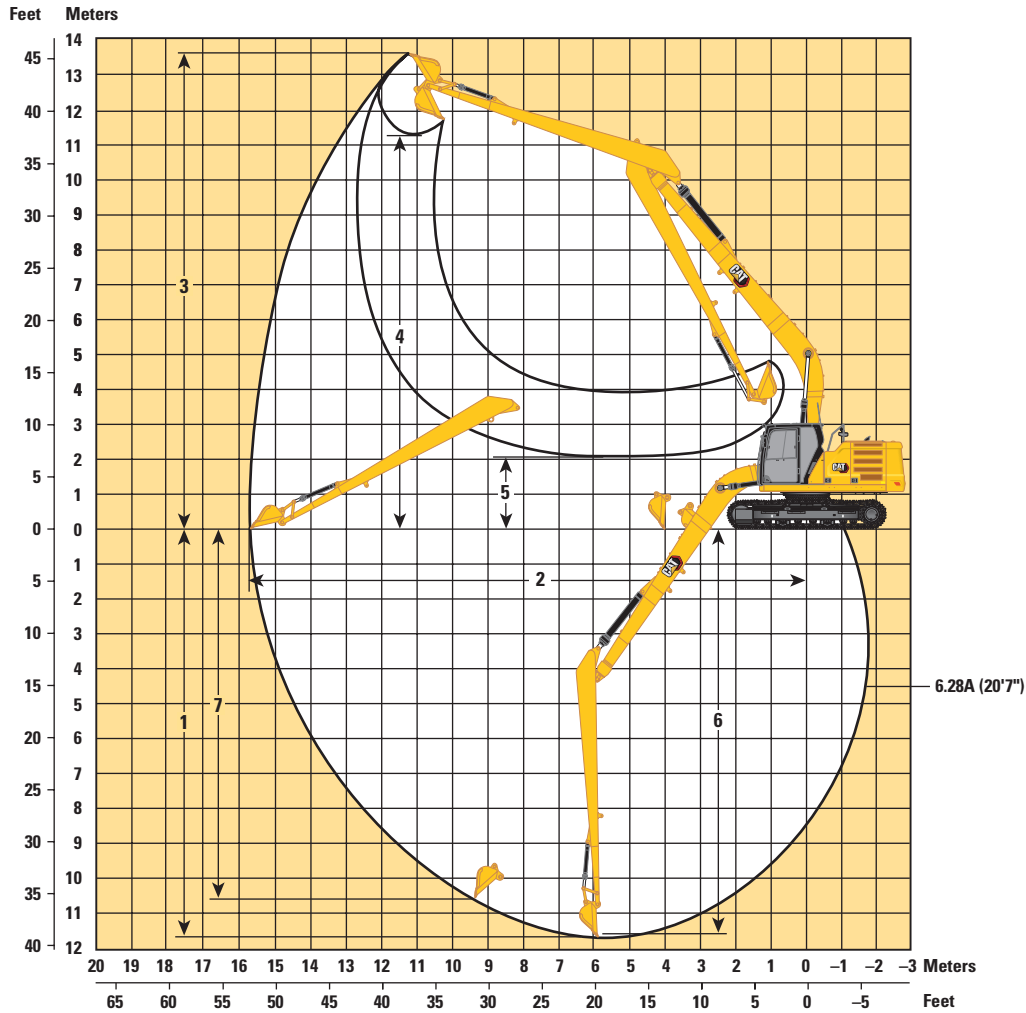
	HD	HD	HD	HD
<b>1</b> Maximum Digging Depth	6730 mm	22'1"	6310 mm	20'8"
<b>2</b> Maximum Reach at Ground Line	9870 mm	32'4"	9470 mm	31'1"
<b>3</b> Maximum Cutting Height	9450 mm	31'1"	9250 mm	30'4"
<b>4</b> Maximum Loading Height	6480 mm	21'3"	6280 mm	20'7"
<b>5</b> Minimum Loading Height	2160 mm	7'1"	2580 mm	8'6"
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6560 mm	21'6"	6120 mm	20'1"
<b>7</b> Maximum Vertical Wall Digging Depth	5740 mm	18'10"	5340 mm	17'6"
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 Type	HD		HD	
Bucket Capacity	1.30 m <sup>3</sup>	1.70 yd <sup>3</sup>	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>
Bucket Tip Radius	1580 mm	5'2"	1570 mm	5'2"

\*8.5% Auto Dig Boost pressure not included.

# 323 Hydraulic Excavator Specifications

## Working Ranges

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



### Boom Option

**SLR Boom**  
8.85 m (29'0")

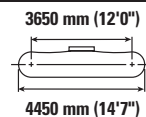
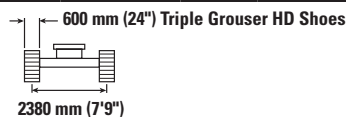
### Stick Options

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

<b>1</b> Maximum Digging Depth	11 540 mm	37'10"	11 690 mm	38'4"
<b>2</b> Maximum Reach at Ground Line	15 570 mm	51'1"	15 730 mm	51'7"
<b>3</b> Maximum Cutting Height	13 540 mm	44'5"	13 610 mm	44'8"
<b>4</b> Maximum Loading Height	11 440 mm	37'6"	11 290 mm	37'0"
<b>5</b> Minimum Loading Height	2240 mm	7'4"	2080 mm	6'10"
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 440 mm	37'6"	11 590 mm	38'0"
<b>7</b> 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	13,549 lbf
Stick Digging Force (ISO)	49 kN	10,966 lbf	49 kN	10,935 lbf
Bucket Type	<b>DC</b>		<b>GD</b>	
Bucket Capacity	0.57 m <sup>3</sup>	0.75 yd <sup>3</sup>	0.53 m <sup>3</sup>	0.69 yd <sup>3</sup>
Bucket Tip Radius	1070 mm	3'6"	1230 mm	4'0"

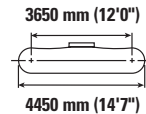
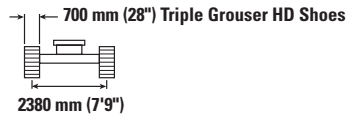
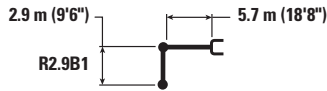
# 323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6150 240
6000 mm 240 in	kg lb							*5950 *13,100	*5950 *13,100			*3950 *8,750	*3950 *8,750	7290 290
4500 mm 180 in	kg lb							*6550 *14,300	6300 13,550	*6200 *12,500	4500 9,650	*3900 *8,550	*3900 *8,550	7990 320
3000 mm 120 in	kg lb					*9600 *20,600	9150 19,750	*7550 *16,350	6050 13,050	*6600 *14,200	4400 9,450	*4000 *8,750	*4000 *8,750	8360 330
1500 mm 60 in	kg lb					*11 600 *25,000	8650 18,600	*8550 *18,550	5800 12,500	6500 13,950	4300 9,200	*4250 *9,300	*4250 *9,300	8450 340
0 mm 0 in	kg lb			*6800 *15,600	*6800 *15,600	*12 700 *27,500	8350 18,000	8800 18,950	5650 12,150	6400 13,700	4200 9,000	*4700 *10,300	3700 8,100	8260 330
-1500 mm -60 in	kg lb	*7250 *16,200	*7250 *16,200	*11 700 *26,550	*11 700 *26,550	*12 850 *27,800	8250 17,750	8700 18,750	5550 11,950	6350 13,650	4150 8,950	*5500 *12,100	3950 8,750	7780 310
-3000 mm -120 in	kg lb	*12 400 *27,850	*12 400 *27,850	*17 000 *36,850	15 950 34,200	*12 000 *26,000	8300 17,900	8750 18,800	5600 12,050			*7100 *15,800	4650 10,250	6950 280
-4500 mm -180 in	kg lb			*13 600 *29,150	*13 600 *29,150	*9800 *20,850	8500 18,350					*7400 *16,300	6350 14,250	5600 220

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6150 240
6000 mm 240 in	kg lb							*5950 *13,100	*5950 *13,100			*3950 *8,750	*3950 *8,750	7290 290
4500 mm 180 in	kg lb							*6550 *14,300	6400 13,750	*6200 *12,500	4550 9,800	*3900 *8,550	*3900 *8,550	7990 320
3000 mm 120 in	kg lb					*9600 *20,600	9300 20,000	*7550 *16,350	6150 13,200	*6600 *14,400	4450 9,600	*4000 *8,750	*4000 *8,750	8360 330
1500 mm 60 in	kg lb					*11 600 *25,000	8750 18,900	*8550 *18,550	5900 12,700	6600 14,150	4350 9,350	*4250 *9,300	*4250 *9,300	8450 340
0 mm 0 in	kg lb			*6800 *15,600	*6800 *15,600	*12 700 *27,500	8450 18,250	8950 19,200	5700 12,300	6500 13,950	4250 9,150	*4700 *10,300	3750 8,250	8260 330
-1500 mm -60 in	kg lb	*7250 *16,200	*7250 *16,200	*11 700 *26,550	*11 700 *26,550	*12 850 *27,800	8400 18,050	8850 19,050	5650 12,150	6450 13,900	4200 9,100	*5500 *12,100	4050 8,900	7780 310
-3000 mm -120 in	kg lb	*12 400 *27,850	*12 400 *27,850	*17 000 *36,850	16 200 34,650	*12 000 *26,000	8450 18,150	8900 19,100	5650 12,200			*7100 *15,800	4700 10,450	6950 280
-4500 mm -180 in	kg lb			*13 600 *29,150	*13 600 *29,150	*9800 *20,850	8650 18,650					*7400 *16,300	6400 14,450	5600 220



ISO 10567



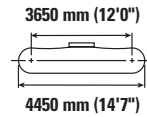
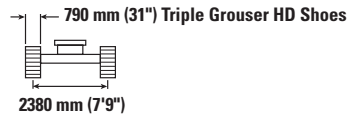
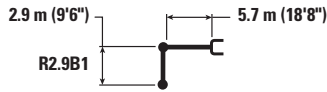
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

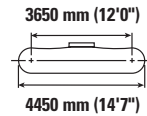
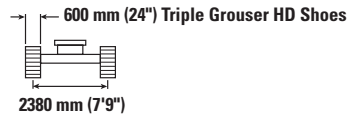
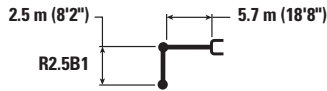
# 323 Hydraulic Excavator Specifications

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



Reach Boom	Unit	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	mm in
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6150 240
6000 mm 240 in	kg lb							*5950 *13,100	*5950 *13,100			*3950 *8,750	*3950 *8,750	7290 290
4500 mm 180 in	kg lb							*6550 *14,300	6450 13,850	*6200 *12,500	4600 9,900	*3900 *8,550	*3900 *8,550	7990 320
3000 mm 120 in	kg lb					*9600 *20,600	9350 20,200	*7550 *16,350	6200 13,350	*6600 *14,400	4500 9,700	*4000 *8,750	3850 8,450	8360 330
1500 mm 60 in	kg lb					*11 600 *25,000	8850 19,050	*8550 *18,550	5950 12,800	6650 14,300	4400 9,450	*4250 *9,300	3700 8,150	8450 340
0 mm 0 in	kg lb			*6800 *15,600	*6800 *15,600	*12 700 *27,500	8550 18,400	9050 19,450	5800 12,450	6550 14,100	4300 9,250	*4700 *10,300	3800 8,300	8260 330
-1500 mm -60 in	kg lb	*7250 *16,200	*7250 *16,200	*11 700 *26,550	*11 700 *26,550	*12 850 *27,800	8450 18,200	8950 19,250	5700 12,250	6500 14,050	4250 9,200	*5500 *12,100	4100 9,000	7780 310
-3000 mm -120 in	kg lb	*12 400 *27,850	*12 400 *27,850	*17 000 *36,850	16 350 35,000	*12 000 *26,000	8500 18,350	*8950 *19,250	5750 12,350			*7100 *15,800	4750 10,550	6950 280
-4500 mm -180 in	kg lb			*13 600 *29,150	*13 600 *29,150	*9800 *20,850	8750 18,800					*7400 *16,300	6500 14,600	5600 220

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



Reach Boom	Unit	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	
7500 mm 300 in	kg lb									*5150 *11,450	*5150 *11,450	5600 220
6000 mm 240 in	kg lb					*6450 *14,200	6350 13,700			*4700 *10,400	*4700 *10,400	6830 270
4500 mm 180 in	kg lb			*8100 *17,500	*8100 *17,500	*7000 *15,200	6250 13,400	*5200	4450	*4650 *10,200	4400 9,700	7570 300
3000 mm 120 in	kg lb			*10 250 *22,000	9050 19,450	*7900 *17,150	6000 12,900	6550 14,100	4350 9,400	*4750 *10,400	4000 8,800	7960 320
1500 mm 60 in	kg lb			*12 100 *26,050	8550 18,450	*8850 *19,150	5800 12,450	6450 13,900	4250 9,150	*5050 *11,100	3850 8,500	8050 320
0 mm 0 in	kg lb			*12 900 *27,900	8350 17,950	8800 18,900	5650 12,100	6400 13,750	4200 9,050	*5650 *12,450	3950 8,700	7860 310
-1500 mm -60 in	kg lb	*12 300 *28,000	*12 300 *28,000	*12 700 *27,550	8300 17,850	8750 18,800	5600 12,000			6550 14,450	4300 9,450	7350 290
-3000 mm -120 in	kg lb	*15 950 *34,600	*15 950 *34,600	*11 600 *25,050	8400 18,050	*8600 *18,350	5650 12,150			*7700 *16,900	5150 11,400	6470 260
-4500 mm -180 in	kg lb			*8700 *18,200	8650 *18,200					*7550 *16,500	7550 *16,500	4980 200



ISO 10567



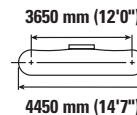
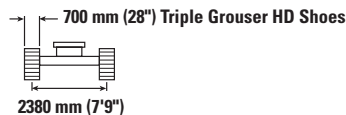
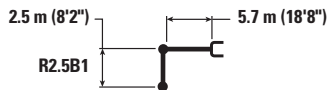
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

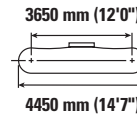
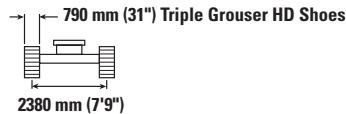
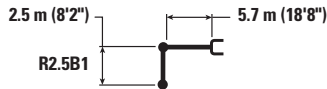
# 323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	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 *11,450	*5150 *11,450	5600 220
6000 mm 240 in	kg lb					*6450 *14,200	6450 13,850			*4700 *10,400	*4700 *10,400	6830 270
4500 mm 180 in	kg lb			*8100 *17,500	*8100 *17,500	*7000 *15,200	6300 13,600	*5200	4500	*4650 *10,200	4450 9,850	7570 300
3000 mm 120 in	kg lb			*10 250 *22,000	9150 19,700	*7900 *17,150	6100 13,100	6650 14,350	4450 9,500	*4750 *10,400	4050 8,950	7960 320
1500 mm 60 in	kg lb			*12 100 *26,050	8700 18,700	*8850 *19,150	5850 12,650	6550 14,100	4350 9,300	*5050 *11,100	3900 8,600	8050 320
0 mm 0 in	kg lb			*12 900 *27,900	8450 18,200	8950 19,200	5700 12,300	6500 13,950	4250 9,150	*5650 *12,450	4000 8,800	7860 310
-1500 mm -60 in	kg lb	*12 300 *28,000	*12 300 *28,000	*12 700 *27,550	8400 18,100	8850 19,100	5650 12,200			6650 14,700	4350 9,600	7350 290
-3000 mm -120 in	kg lb	*15 950 *34,600	*15 950 *34,600	*11 600 *25,050	8500 18,300	*8600 *18,350	5750 12,350			*7700 *16,900	5200 11,550	6470 260
-4500 mm -180 in	kg lb			*8700 *18,200	*8700 *18,200					*7550 *16,500	*7550 *16,500	4980 200

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



Reach mm in	kg lb	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 *11,450	*5150 *11,450	5600 220
6000 mm 240 in	kg lb					*6450 *14,200	*6450 14,000			*4700 *10,400	*4700 *10,400	6830 270
4500 mm 180 in	kg lb			*8100 *17,500	*8100 *17,500	*7000 *15,200	6350 13,700	*5200	4550	*4650 *10,200	4500 9,950	7570 300
3000 mm 120 in	kg lb			*10 250 *22,000	9250 19,900	*7900 *17,150	6150 13,250	6750 14,500	4450 9,600	*4750 *10,400	4100 9,050	7960 320
1500 mm 60 in	kg lb			*12 100 *26,050	8750 18,900	*8850 *19,150	5900 12,750	6650 14,250	4350 9,400	*5050 *11,100	3950 8,700	8050 320
0 mm 0 in	kg lb			*12 900 *27,900	8550 18,400	9050 19,400	5750 12,450	6550 14,100	4300 9,250	*5650 *12,450	4050 8,900	7860 310
-1500 mm -60 in	kg lb	*12 300 *28,000	*12 300 *28,000	*12 700 *27,550	8500 18,300	8950 19,300	5700 12,300			6750 14,850	4400 9,700	7350 290
-3000 mm -120 in	kg lb	*15 950 *34,600	*15 950 *34,600	*11 600 *25,050	8600 18,500	*8600 *18,350	5800 12,500			*7700 *16,900	5250 11,700	6470 260
-4500 mm -180 in	kg lb			*8700 *18,200	*8700 *18,200					*7550 *16,500	*7550 *16,500	4980 200



ISO 10567



\* 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.

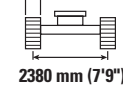
# 323 Hydraulic Excavator Specifications

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

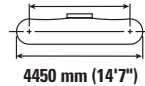
6.28 m (20'7") 8.85 m (29'0")



600 mm (24") Triple Grouser HD Shoes



3650 mm (12'0")



2380 mm (7'9")

4450 mm (14'7")

		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
12 000 mm 480 in	kg lb											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	*1300 *2,900	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	*6750 *15,950	*5250 *11,300	5100 11,000	*4100 *8,850	3800 8,150	*1400 *3,000	1350 2,900	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4650 10,000	*4550 *9,800	3500 7,500	*1450 *3,200	1300 2,900	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	4350 9,400	*4850 *10,450	3300 7,050	*1550 *3,450	1350 2,900	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,700	*6400 *13,900	4250 9,100	*5000 *10,800	3150 6,800	*1750 *3,800	1400 3,050	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	*6050 *13,650	*6400 *13,800	4200 9,050	*5050 *10,850	3100 6,700	*1950 *4,300	1500 3,250	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	6450 13,900	*6150 *13,250	4250 9,150	*4900 *10,550	3100 6,700	*2300 *5,100	1650 3,650	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	6650 14,300	*5650 *12,150	4350 9,400	*4550 *9,750	3200 6,900	*2700 *5,950	1900 4,250	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	*6150 *13,100	*4850 *10,350	4550 9,800	*3900 *8,300	3350 7,200	*2700 *5,900	2400 5,400	9800 380



ISO 10567



\* 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  $\pm 5\%$  for all available track shoes.

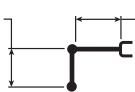
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

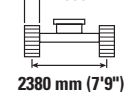
# 323 Hydraulic Excavator Specifications

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

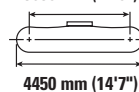
6.28 m (20'7") 8.85 m (29'0")



600 mm (24") Triple Grouser HD Shoes



3650 mm (12'0")



Reach mm in	kg lb	9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in		mm in		
12 000 mm 480 in	kg lb									*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	*2200 *4,200			*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	2200 4,700			*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	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 mm 180 in	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	*2550 *5,550	*2400 *5,200	2100 4,450	*2300 *5,000	1650 3,500	*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb	*3100 *6,750	*3100 *6,750	*2800 *6,000	2500 5,300	*2550 *5,500	2000 4,250	*2400 *5,150	1600 3,400	*1300 *2,900	*1300 *2,900	14 550 580
1500 mm 60 in	kg lb	*3450 *7,400	2950 6,300	*3000 *6,450	2350 5,000	*2700 *5,800	1900 4,050	*2450 *5,350	1550 3,300	*1400 *3,000	1350 2,900	14 600 580
0 mm 0 in	kg lb	*3700 *8,050	2750 5,900	*3200 *6,900	2200 4,700	*2800 *6,100	1800 3,850	2450 5,250	1500 3,150	*1450 *3,200	1300 2,900	14 490 570
-1500 mm -60 in	kg lb	*3950 *8,550	2600 5,550	*3350 *7,250	2100 4,500	2850 6,100	1750 3,700	2400 5,150	1450 3,100	*1550 *3,450	1350 2,900	14 230 560
-3000 mm -120 in	kg lb	*4100 *8,850	2500 5,350	3350 7,200	2050 4,350	2800 6,000	1700 3,600	2400 *4,200	1450 3,050	*1750 *3,800	1400 3,050	13 790 550
-4500 mm -180 in	kg lb	4100 8,800	2450 5,250	3300 7,150	2000 4,250	2800 6,000	1650 3,600			*1950 *4,300	1500 3,250	13 170 520
-6000 mm -240 in	kg lb	*4000 *8,650	2450 5,250	3350 7,150	2000 4,300	*2800 *5,900	1700 3,650			*2300 *5,100	1650 3,650	12 340 490
-7500 mm -300 in	kg lb	*3750 *7,950	2500 5,400	*3050 *6,450	2050 4,450					*2700 *5,950	1900 4,250	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,500	2650 5,750							*2700 *5,900	2400 5,400	9800 380



ISO 10567



\* 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  $\pm 5\%$  for all available track shoes.

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

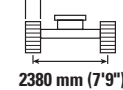
# 323 Hydraulic Excavator Specifications

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

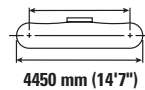
6.28 m (20'7") 8.85 m (29'0")



700 mm (28") Triple Grouser HD Shoes



3650 mm (12'0")



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
12 000 mm 480 in	kg lb											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	*1300 *2,900	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	*6750 *15,950	*5250 *11,300	5200 11,200	*4100 *8,850	3850 8,300	*1400 *3,000	1350 3,000	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4750 10,200	*4550 *9,800	3550 7,650	*1450 *3,200	1350 2,950	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	4450 9,600	*4850 *10,450	3350 7,200	*1550 *3,450	1350 3,000	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,700	*6400 *13,900	4300 9,300	*5000 *10,800	3250 6,950	*1750 *3,800	1400 3,100	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	*6050 *13,700	*6400 *13,800	4300 9,200	*5050 *10,850	3150 6,800	*1950 *4,300	1500 3,350	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	6600 14,150	*6150 *13,250	4350 9,300	*4900 *10,550	3200 6,850	*2300 *5,100	1700 3,700	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	6750 14,600	*5650 *12,150	4450 9,550	*4550 *9,750	3250 7,000	*2700 *5,950	1950 4,350	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	*6150 *13,100	*4850 *10,350	4600 10,000	*3900 *8,300	3400 7,350	*2700 *5,900	2450 5,500	9800 380



ISO 10567



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

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

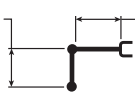
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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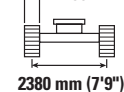
# 323 Hydraulic Excavator Specifications

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

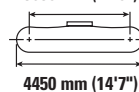
6.28 m (20'7") 8.85 m (29'0")



700 mm (28") Triple Grouser HD Shoes



3650 mm (12'0")



Reach mm in	kg lb	9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in		mm in		
12 000 mm 480 in	kg lb									*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	*2200 *4,200			*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	*2200 4,800			*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb			*2400 *5,200	*2400 *5,200	*2300 *5,000	2200 4,700	*2100 *3,700	1750 3,650	*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	*2550 *5,550	*2400 *5,200	2100 4,500	*2300 *5,000	1700 3,600	*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb	*3100 *6,750	*3100 *6,750	*2800 *6,000	2500 5,400	*2550 *5,500	2000 4,300	*2400 *5,150	1650 3,450	*1300 *2,900	*1300 *2,900	14 550 580
1500 mm 60 in	kg lb	*3450 *7,400	3000 6,400	*3000 *6,450	2400 5,100	*2700 *5,800	1950 4,100	*2450 *5,350	1600 3,350	*1400 *3,000	1350 3,000	14 600 580
0 mm 0 in	kg lb	*3700 *8,050	2800 6,000	*3200 *6,900	2250 4,800	*2800 *6,100	1850 3,950	2500 5,350	1500 3,250	*1450 *3,200	1350 2,950	14 490 570
-1500 mm -60 in	kg lb	*3950 *8,550	2650 5,650	*3350 *7,250	2150 4,600	2900 6,250	1750 3,800	2450 5,250	1500 3,150	*1550 *3,450	1350 3,000	14 230 560
-3000 mm -120 in	kg lb	*4100 *8,850	2550 5,450	3400 7,350	2050 4,450	2850 6,150	1700 3,700	2450 *4,200	1450 3,150	*1750 *3,800	1400 3,100	13 790 550
-4500 mm -180 in	kg lb	*4100 *8,900	2500 5,350	3400 7,300	2050 4,350	2850 6,100	1700 3,650			*1950 *4,300	1500 3,350	13 170 520
-6000 mm -240 in	kg lb	*4000 *8,650	2500 5,400	*3350 *7,200	2050 4,400	*2800 *5,900	1750 3,750			*2300 *5,100	1700 3,700	12 340 490
-7500 mm -300 in	kg lb	*3750 *7,950	2550 5,500	*3050 *6,450	2100 4,550					*2700 *5,950	1950 4,350	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,500	2700 5,850							*2700 *5,900	2450 5,500	9800 380



ISO 10567



\* 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.

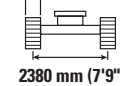
# 323 Hydraulic Excavator Specifications

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

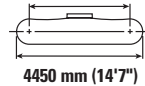
6.28 m (20'7") 8.85 m (29'0")



790 mm (31") Triple Grouser HD Shoes



3650 mm (12'0")



4450 mm (14'7")

Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
12 000 mm 480 in	kg lb											*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb											*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb											*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb											*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb											*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb											*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	*1300 *2,900	14 550 580
1500 mm 60 in	kg lb					*6750 *15,950	*6750 *15,950	*5250 *11,300	5250 11,300	*4100 *8,850	3900 8,400	*1400 *3,000	*1400 *3,000	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4800 10,350	*4550 *9,800	3600 7,750	*1450 *3,200	1350 3,000	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	4500 9,700	*4850 *10,450	3400 7,300	*1550 *3,450	1400 3,050	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,700	*6400 *13,900	4400 9,400	*5000 *10,800	3250 7,050	*1750 *3,800	1450 3,150	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	*6050 *13,700	*6400 *13,800	4350 9,350	*5050 *10,850	3200 6,900	*1950 *4,300	1550 3,400	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	6650 14,350	*6150 *13,250	4400 9,450	*4900 *10,550	3250 6,950	*2300 *5,100	1700 3,750	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	6850 14,750	*5650 *12,150	4500 9,700	*4550 *9,750	3300 7,100	*2700 *5,950	2000 4,400	11 240 440
-9000 mm -360 in	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	*6150 *13,100	*4850 *10,350	4700 10,100	*3900 *8,300	3450 7,450	*2700 *5,900	2500 5,600	9800 380



ISO 10567



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

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

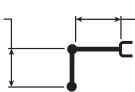
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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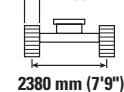
# 323 Hydraulic Excavator Specifications

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

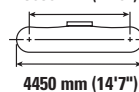
6.28 m (20'7") 8.85 m (29'0")














790 mm (31") Triple Grouser HD Shoes



3650 mm (12'0")



		9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				mm in
												
12 000 mm 480 in	kg lb									*1450 *3,200	*1450 *3,200	10 350 400
10 500 mm 420 in	kg lb			*2200 *4,850	*2200 *4,850					*1350 *2,950	*1350 *2,950	11 660 460
9000 mm 360 in	kg lb			*2200 *4,800	*2200 *4,800	*2200 *4,200	*2200 *4,200			*1300 *2,850	*1300 *2,850	12 660 500
7500 mm 300 in	kg lb			*2250 *4,900	*2250 *4,900	*2200 *4,850	*2200 4,850			*1250 *2,800	*1250 *2,800	13 410 530
6000 mm 240 in	kg lb			*2400 *5,200	*2400 *5,200	*2300 *5,000	2200 4,750	*2100 *3,700	1750 *3,700	*1250 *2,750	*1250 *2,750	13 970 550
4500 mm 180 in	kg lb	*2800 *6,050	*2800 *6,050	*2550 *5,550	*2550 *5,550	*2400 *5,200	2150 4,550	*2300 *5,000	1700 3,650	*1300 *2,800	*1300 *2,800	14 340 570
3000 mm 120 in	kg lb	*3100 *6,750	*3100 *6,750	*2800 *6,000	2550 5,450	*2550 *5,500	2050 4,350	*2400 *5,150	1650 3,500	*1300 *2,900	*1300 *2,900	14 550 580
1500 mm 60 in	kg lb	*3450 *7,400	3000 6,500	*3000 *6,450	2400 5,150	*2700 *5,800	1950 4,150	*2450 *5,350	1600 3,400	*1400 *3,000	*1400 *3,000	14 600 580
0 mm 0 in	kg lb	*3700 *8,050	2850 6,050	*3200 *6,900	2300 4,900	*2800 *6,100	1850 4,000	2550 5,450	1550 3,300	*1450 *3,200	1350 3,000	14 490 570
-1500 mm -60 in	kg lb	*3950 *8,550	2700 5,750	*3350 *7,250	2150 4,650	*2950 *6,300	1800 3,850	2500 5,350	1500 3,200	*1550 *3,450	1400 3,050	14 230 560
-3000 mm -120 in	kg lb	*4100 *8,850	2600 5,550	*3450 *7,450	2100 4,500	2900 6,200	1750 3,750	2450 *4,200	1500 3,150	*1750 *3,800	1450 3,150	13 790 550
-4500 mm -180 in	kg lb	*4100 *8,900	2550 5,450	3450 7,400	2050 4,450	2900 6,200	1750 3,700			*1950 *4,300	1550 3,400	13 170 520
-6000 mm -240 in	kg lb	*4000 *8,650	2550 5,450	*3350 *7,200	2100 4,450	*2800 *5,900	1750 3,800			*2300 *5,100	1700 3,750	12 340 490
-7500 mm -300 in	kg lb	*3750 *7,950	2600 5,600	*3050 *6,450	2150 4,650					*2700 *5,950	2000 4,400	11 240 440
-9000 mm -360 in	kg lb	*3150 *6,500	2750 5,900							*2700 *5,900	2500 5,600	9800 380



ISO 10567



\* 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  $\pm 5\%$  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

	Linkage	Width		Capacity		Weight		Fill %	5.4 mt (11,900 lb) Counterweight		
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		HD Reach Boom		SLR Boom
									R2.9 (9'6")	R2.5 (8'2")	6.28A (20'7")
<b>Pin-On (No Quick Coupler)</b>											
General Duty	B	600	24	0.46	0.61	546	1,204	100	●	●	
	B	750	30	0.64	0.84	617	1,361	100	●	●	
	B	1000	39	0.93	1.22	710	1,566	100	●	●	
	B	1050	42	1.00	1.31	731	1,611	100	●	●	
	B	1200	48	1.19	1.56	799	1,761	100	●	●	
	B	1400	55	1.43	1.87	866	1,909	100	X	X	
	B	1500	60	1.58	2.06	906	1,997	100	X	X	
Heavy Duty (HD)	B	600	24	0.46	0.61	629	1,386	100	●	●	
	B	750	30	0.64	0.84	728	1,605	100	●	●	
	B	900	36	0.81	1.06	806	1,775	100	●	●	
	B	1050	42	1.00	1.31	860	1,895	100	●	●	
	B	1200	48	1.19	1.56	916	2,018	100	●	●	
	B	1350	54	1.38	1.81	1018	2,244	100	X	●	
	B	1500	60	1.58	2.06	1079	2,378	100	X	X	
Severe Duty (SD)	B	900	36	0.81	1.06	868	1,913	90	●	●	
Mud/Cleanup	B	1800	72	1.60	2.09	1021	2,251	100	⊙	⊙	
	B	2000	78	1.76	2.31	1088	2,399	100	⊖	⊙	
Ditch Cleaning – Tilt	B	1800	72	1.40	1.83	1148	2,531	100	⊙	●	
General Duty	312, A	900	36	0.53	0.69	403	888	100			○
Ditch Cleaning Long Reach	312, A	1200	48	0.57	0.74	386	851	100			○
Maximum load with pin-on (payload + bucket)								kg	3710	3980	1140
								lb	8,179	8,774	2,513

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 +A3:2013, 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<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- 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)*

# 323 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility (continued)

	Linkage	Width		Capacity		Weight		Fill %	5.4 mt (11,900 lb) Counterweight	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		HD Reach Boom	
									R2.9 (9'6")	R2.5 (8'2")
<b>With Cat Pin Grabber Coupler</b>										
General Duty	B	600	24	0.46	0.61	546	1,204	100	●	●
	B	750	30	0.64	0.84	617	1,361	100	●	●
	B	1000	39	0.93	1.22	710	1,566	100	●	●
	B	1050	42	1.00	1.31	731	1,611	100	●	●
	B	1200	48	1.19	1.56	799	1,761	100	●	●
	B	1400	55	1.43	1.87	866	1,909	100	⊙	⊙
	B	1500	60	1.58	2.06	906	1,997	100	⊖	⊙
Heavy Duty	B	600	24	0.46	0.61	629	1,386	100	●	●
	B	750	30	0.64	0.84	728	1,605	100	●	●
	B	900	36	0.81	1.06	806	1,775	100	●	●
	B	1050	42	1.00	1.31	860	1,895	100	●	●
	B	1200	48	1.19	1.56	916	2,018	100	●	●
	B	1350	54	1.38	1.81	1018	2,244	100	⊙	⊙
	B	1500	60	1.58	2.06	1079	2,378	100	⊖	⊖
Severe Duty	B	900	36	0.81	1.06	868	1,913	90	●	●
Mud/Cleanup	B	1800	72	1.60	2.09	1021	2,251	100	⊖	⊖
	B	2000	78	1.76	2.31	1088	2,399	100	○	⊖
Ditch Cleaning – Tilt	B	1800	72	1.40	1.83	1148	2,531	100	⊖	⊙
Maximum load with coupler (payload + bucket)								kg	3288	3558
								lb	7,250	7,845

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 +A3:2013, 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<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

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.

# 323 Hydraulic Excavator Specifications

## Attachments Offering Guide

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

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

### PIN-ON ATTACHMENTS

Counterweight		5.4 mt (11,900 lb)	
Boom Type		HD Reach	
Stick Length		R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓†	✓†
	H130 GC S	✓†	✓†
	H130 S	✓†	✓†
	Demolition and Sorting Grapples	G318	✓
G324		✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		5.4 mt (11,900 lb)	
Boom Type		HD Reach	
Stick Length		R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers	H120 GC	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 GC	✓†	✓†
	H130 GC S	✓†	✓†
	H130 S	✓†	✓†
	Demolition and Sorting Grapples	G318	✓
G324		✓	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

### BOOM-MOUNT ATTACHMENTS

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

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>CAB</b>			<b>ENGINE</b>		
ROPS	✓		Cat® C7.1 single turbo diesel engine	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Three selectable power modes	✓	
Auto bi-level air conditioner	✓		Auto engine speed control	✓	
Jog dial and shortcut keys for monitor control	✓		Auto engine idle shutdown	✓	
Keyless push-to-start engine control	✓		Work up to 3000 m (9,840 ft) above sea level without engine power de-rating	✓	
Height-adjustable console	✓		52° C (125° F) high-ambient cooling capacity	✓	
Tilt-up left-side console	✓		Cold starting capability for -18° C (0° F)	✓	
Heated air-suspension seat	✓		Double element air filter with integrated pre-cleaner	✓	
51 mm (2") seat belt	✓		Electric fuel priming pump	✓	
Monitor integrated Bluetooth® radio with USB/Aux ports	✓		Electric cooling fans with auto-reverse function	✓	
12V DC outlets	✓		<b>HYDRAULIC SYSTEM</b>		
Document storage	✓		Boom and stick regeneration circuits	✓	
Overhead storage and rear storage with nets	✓		Boom and stick lowering check valves	✓	
Beverage holder	✓		Heavy lift configuration	✓	
Cup holder	✓		Electronic main control valve	✓	
Openable two-piece front window	✓		Auto Dig Boost <sup>(1)</sup>	✓	
Rear window emergency exit	✓		Auto heavy lift <sup>(2)</sup>	✓	
Radial wiper with washer	✓		Auto warm up	✓	
Openable polycarbonate skylight hatch	✓		Auto two-speed travel	✓	
LED dome light	✓		Boom and stick drift reduction valve	✓	
Floor welcome light	✓		Element type main hydraulic filter	✓	
Roof sunscreen	✓		Slider joysticks	✓	
Roller front sunscreen	✓		Tandem type electronic main pump	✓	
Roller rear sunscreen		✓	Hammer return filter circuit		✓
Washable floor mat	✓		Advanced Tool Control (two pump, one/two way high-pressure flow)	✓	
Beacon ready	✓		Medium pressure auxiliary circuit		✓
Cat Stick Steer		✓	Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓
Auxiliary relay		✓	Fine swing control	✓	

<sup>(1)</sup>Requires heavy lift valve; not available for Super Long Reach.

<sup>(2)</sup>Not available for Super Long Reach.

(continued on next page)

# 323 Standard and Optional Equipment

## Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
<b>UNDERCARRIAGE AND STRUCTURES</b>			<b>ELECTRICAL SYSTEM</b>		
600 mm (24 in) HD triple grouser track shoes	✓		1,000 CCA maintenance-free batteries (×2)	✓	
700 mm (28 in) HD triple grouser track shoes		✓	Centralized electrical disconnect switch	✓	
790 mm (31 in) HD triple grouser track shoes		✓	Programmable time-delay LED working lights	✓	
Tie-down points on base frame	✓		LED chassis light, LH and RH boom lights, cab lights	✓	
Segmented track guiding guards	✓		LED chassis light, LH and RH boom lights, cab lights with cover and rain protector – for use with 360° visibility		✓
Full-length track guiding guards		✓	Premium surround lighting package		✓
HD bottom guard	✓				
Swivel guard		✓			
HD travel motor guards	✓				
Grease lubricated track links	✓				
5.4 mt (11,900 lb) counterweight	✓				
HD swing frame	✓				
HD swing bearing	✓				
HD base frame with SD track rollers and standard carrier rollers	✓				
<b>BOOMS, STICKS AND LINKAGES</b>					
5.7 m (18'8") HD Reach boom	✓				
8.85 m (29'0") Super Long Reach boom		✓			
2.9 m (9'6") Reach stick	✓				
2.5 m (8'2") Reach stick		✓			
6.28 m (20'7") Super Long Reach stick		✓			
Bucket linkage, B1-family with lifting eye	✓				
Bucket linkage, A-family, without lifting eye		✓			

*(continued on next page)*

## Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
<b>CAT TECHNOLOGY</b>			<b>SERVICE AND MAINTENANCE</b>		
Cat Product Link™	✓		Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports	✓	
Remote Flash	✓		QuickEvac™ maintenance ready		✓
Remote Troubleshoot	✓		Grouped location for engine oil and fuel filters	✓	
Cat Grade Connectivity		✓	Ground-level second dipstick for engine oil	✓	
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓		Radiator screen		✓
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓		Integrated vehicle health management system		✓
Cat Grade with 2D and offset memory*	✓		<b>SAFETY AND SECURITY</b>		
Cat Grade with Advanced 2D		✓	Cat Detect – People Detection		✓
Cat Grade with 3D single GNSS		✓	Rearview and right-hand-sideview cameras	✓	
Cat Grade with 3D dual GNSS		✓	360° visibility		✓
Cat Assist:*	✓		Neutral lever (lock out) for all controls	✓	
– Grade Assist			Anti-skid plate and countersunk bolts on service platform	✓	
– Boom Assist			Ground-level accessible secondary engine shutoff switch in cab	✓	
– Bucket Assist			Swing alarm		✓
– Swing Assist			RH handrail and handhold (ISO 2867:2011 compliant)	✓	
– Lift Assist			Travel alarm	✓	
Cat Payload:*	✓		Inspection lighting		✓
– Static weigh			Cat Command remote control		✓
– Semiautomatic calibration					
– Payload/cycle information					
– USB reporting capability					
2D E-Fence:*	✓				
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Auto hammer stop	✓				
Laser catcher		✓			
Work tool recognition	✓				
Work tool tracking**	✓				

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

\*\*Requires PL161 attachment locator on work tool and Bluetooth receiver on machine.

# 323 Attachments

## Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

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### CAB

- Radial lower wiper for 70/30 with washer
- RH electrical pedal for tool control
- Rain protector plus cab light cover
- 75 mm (3") retractable seat belt

### SAFETY AND SECURITY

- Bluetooth key fob

### SERVICE AND MAINTENANCE

- Grease gun holder

### ELECTRICAL

- Jump start wiring

### GUARDS

- Side rubber bumper
- Falling object guard system (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Full protecting vandalism guard

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

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

## Engine

- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)\*
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

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

*\*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

## 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<sub>2</sub> 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 (external) – 100 dB(A)

ISO 6396 (inside cab) – 70 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

## Oils and Fluids

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

## Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Advanced hydraulic systems balance power and efficiency
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode minimizes fuel consumption for light applications
  - Increase operating efficiency up to 45% with standard Cat technologies
  - Cut maintenance costs with extended service intervals
  - New hydraulic oil filter provides longer life with a 3,000-hour replacement interval

## Recycling

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

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

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

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

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

Recyclability – 98%

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://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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AEXQ2212-06 (09-2022)  
Replaces AEXQ2212-05  
Build Number: 07F  
(Aus-NZ)

