



# 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 (14,764 ft) altitude with engine power derate above 3000 m (9,842.5 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 2,200 rpm.

<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 (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	25 500 kg	56,200 lb
<ul style="list-style-type: none"> <li>• Long undercarriage, HD Reach boom, R2.9 (9'6"), HD Thumb Ready Reach stick, Heavy Duty (HD) 1.38 m<sup>3</sup> (1.81 yd<sup>3</sup>) bucket, 790 mm (31") HD triple grouser track shoes and 5.4 mt (11,900 lb) counterweight.</li> </ul>		
Operating Weight	25 000 kg	55,100 lb
<ul style="list-style-type: none"> <li>• Long undercarriage, Reach boom, R2.9 (9'6"), Reach stick, HD 1.38 m<sup>3</sup> (1.81 yd<sup>3</sup>) bucket, 790 mm (31") HD triple grouser track shoes and 5.4 mt (11,900 lb) counterweight.</li> </ul>		

## Track

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

## Drive

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

## Hydraulic System

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

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

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## 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)	6 L	1.6 gal
Final Drive (each)	5 L	1.3 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal
Diesel Exhaust Fluid (DEF) Tank	41 L	10.8 gal

## Sound Performance

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

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

## Operating Weights and Ground Pressures

Base Machine Configurations	790 mm (31 in) HD Triple Grouser Shoes			
	Weight		Ground Pressure	
	kg	lb	kPa	psi
<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") HD Thumb Ready Reach Stick, 1.38 m <sup>3</sup> (1.81 yd <sup>3</sup> ) HD Bucket	25 500	(56,200)	40.3	(5.8)
Reach Boom + R2.9 (9'6") Reach Stick + 1.38 m <sup>3</sup> (1.81 yd <sup>3</sup> ) HD Bucket	25 000	(55,100)	39.5	(5.7)
Super Long Reach Boom + 6.28A (20'7") Super Long Reach Stick + 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD Bucket	25 100	(55,300)	39.7	(5.7)
<b>4.2 mt (9,300 lb) Counterweight + Long Undercarriage Base Machine</b>				
Reach Boom + R2.9 (9'6") Reach Stick + 1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> ) HD Bucket	23 000	(50,700)	36.3	(5.3)

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

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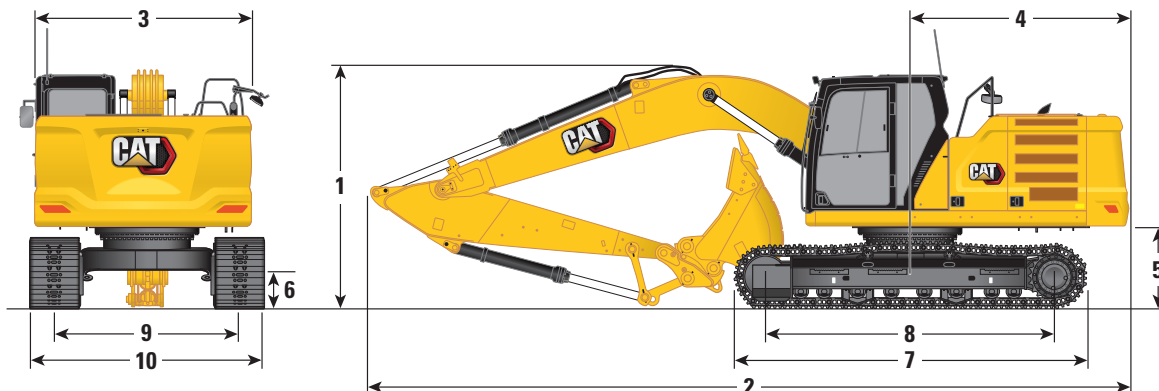
## Major Component Weights

	kg	lb
Base Machine (with 4.2 mt [9,300 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	14 800	32,600
Base Machine (with 5.4 mt [11,900 lb] counterweight, HD swing frame, HD base frame with SD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	16 700	36,800
Track Shoes:		
600 mm (24 in) Width, 14 mm (0.55 in) Thick Single Grouser Track Shoes	3090	6,800
790 mm (31 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes with Step Extension	3800	8,400
Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweights:		
4.2 mt (9,300 lb) Counterweight	4200	9,300
5.4 mt (11,900 lb) Counterweight	5400	11,900
Swing Frames:		
Semi-HD Swing Frame	1910	4,210
HD Swing Frame	2090	4,600
Undercarriages:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4420	9,700
HD Base Frame with SD Track Rollers and Standard Carrier Rollers	4470	9,900
Booms (including lines, pins, stick cylinder):		
Reach Boom (5.7 m/18'8")	1710	3,800
HD Reach Boom (5.7 m/18'8")	2010	4,400
Super Long Reach (SLR) Boom (8.85 m/29'0")	2170	4,800
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R3.9B1/12'10")	1300	2,900
Reach Stick (R2.9B1/9'6")	1080	2,400
HD Thumb Ready Reach Stick (R2.9B1/9'6")	1300	2,900
Super Long Reach Stick (6.28A/20'7")	1340	3,000
Buckets (without linkage):		
1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> ) HD	960	2,100
1.38 m <sup>3</sup> (1.81 yd <sup>3</sup> ) HD	1040	2,300
0.57 m <sup>3</sup> (0.75 yd <sup>3</sup> ) Ditch Cleaning (DC)	390	900
0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) General Duty (GD)	410	900
Quick Coupler:		
Pin Grabber	390	850
Universal	230	500

# 323 Hydraulic Excavator Specifications

## Dimensions

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



### Boom Options

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

Reach Boom  
5.7 m (18'8")

Super Long  
Reach Boom  
8.85 m (29'0")

### Stick Options

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

Reach Stick  
R3.9B1 (12'10")

Super Long  
Reach Stick  
6.28A (20'7")

#### 1 Machine Height:

Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of GNSS Antenna Height (if installed)	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Top of OPG Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3470 mm	11'5"	3190 mm	10'5"
With Boom/Stick Installed	2910 mm	9'7"	3190 mm	10'6"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"	2650 mm	8'9"

#### 2 Machine Length:

With Boom/Stick/Bucket Installed	9530 mm	31'3"	9500 mm	31'2"	12 750 mm	41'10"
With Boom/Stick Installed	9500 mm	31'2"	9530 mm	31'3"	12 760 mm	41'10"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"	8920 mm	29'3"

#### 3 Upperframe Width

2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
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#### 4 Tail Swing Radius

2830 mm	9'3"	2830 mm	9'3"	2830 mm	9'3"
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#### 5 Counterweight Clearance

1050 mm	3'5"	1050 mm	3'5"	1050 mm	3'5"
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#### 6 Ground Clearance

470 mm	1'7"	470 mm	1'7"	470 mm	1'7"
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#### 7 Track Length

4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
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#### 8 Length to Center of Rollers

3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
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#### 9 Track Gauge

2380 mm	7'9"	2380 mm	7'9"	2380 mm	7'9"
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#### 10 Undercarriage Width:

600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"	3170 mm	10'5"

#### Bucket Type

HD

HD

GD

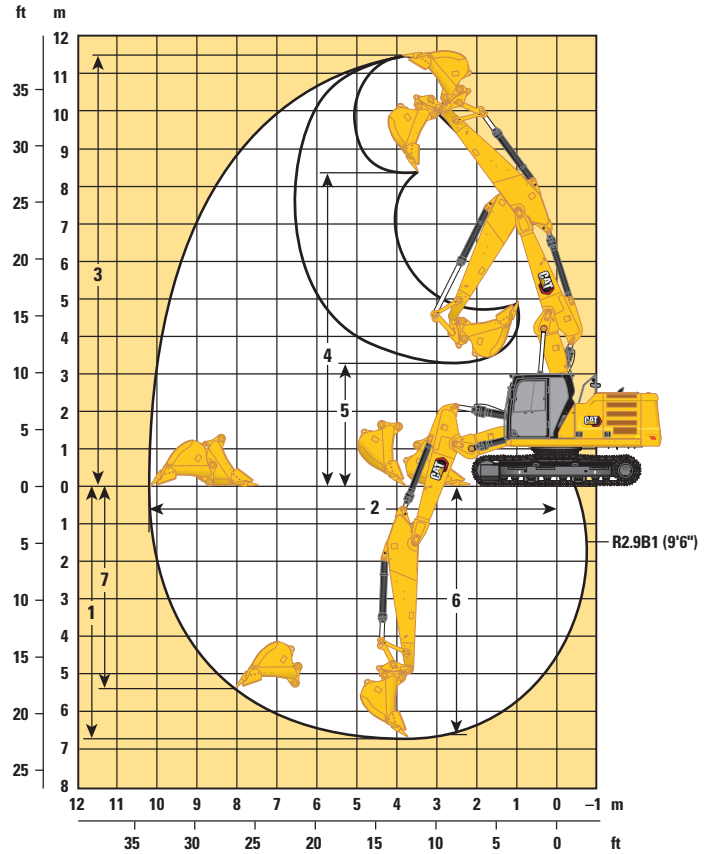
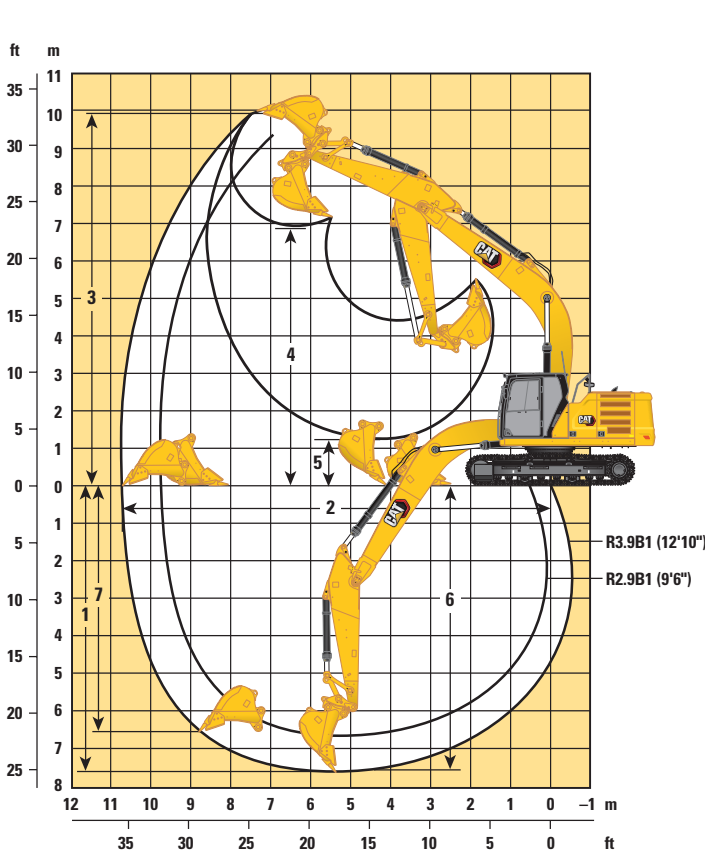
Bucket Capacity	1.14 m <sup>3</sup>	1.50 yd <sup>3</sup>	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>	0.53 m <sup>3</sup>	0.69 yd <sup>3</sup>
Bucket Tip Radius	1470 mm	4'10"	1570 mm	5'2"	1230 mm	4'0"

\*Reach has same data as HD Reach.

# 323 Hydraulic Excavator Specifications

## Working Ranges

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



### Boom Options

### Stick Options

	Reach* Boom 5.7 m (18'8")		Reach Boom 5.7 m (18'8")	
	Reach* Stick R2.9B1 (9'6")		Reach Stick R3.9B1 (12'10")	
1 Maximum Digging Depth	6620 mm	21'9"	7670 mm	25'2"
2 Maximum Reach at Ground Line	9760 mm	32'0"	10 770 mm	35'4"
3 Maximum Cutting Height	9330 mm	30'7"	9910 mm	32'6"
4 Maximum Loading Height	6590 mm	21'7"	6930 mm	22'9"
5 Minimum Loading Height	2270 mm	7'5"	1220 mm	4'0"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6440 mm	21'2"	7530 mm	24'8"
7 Maximum Vertical Wall Digging Depth	5360 mm	17'7"	6640 mm	21'9"
Bucket Digging Force (ISO)**	163 kN	36,711 lbf	140 kN	31,505 lbf
Stick Digging Force (ISO)**	109 kN	24,486 lbf	87 kN	19,666 lbf
Bucket Type	HD		HD	
Bucket Capacity	1.14 m <sup>3</sup>	1.50 yd <sup>3</sup>	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>
Bucket Tip Radius	1470 mm	4'10"	1570 mm	5'2"

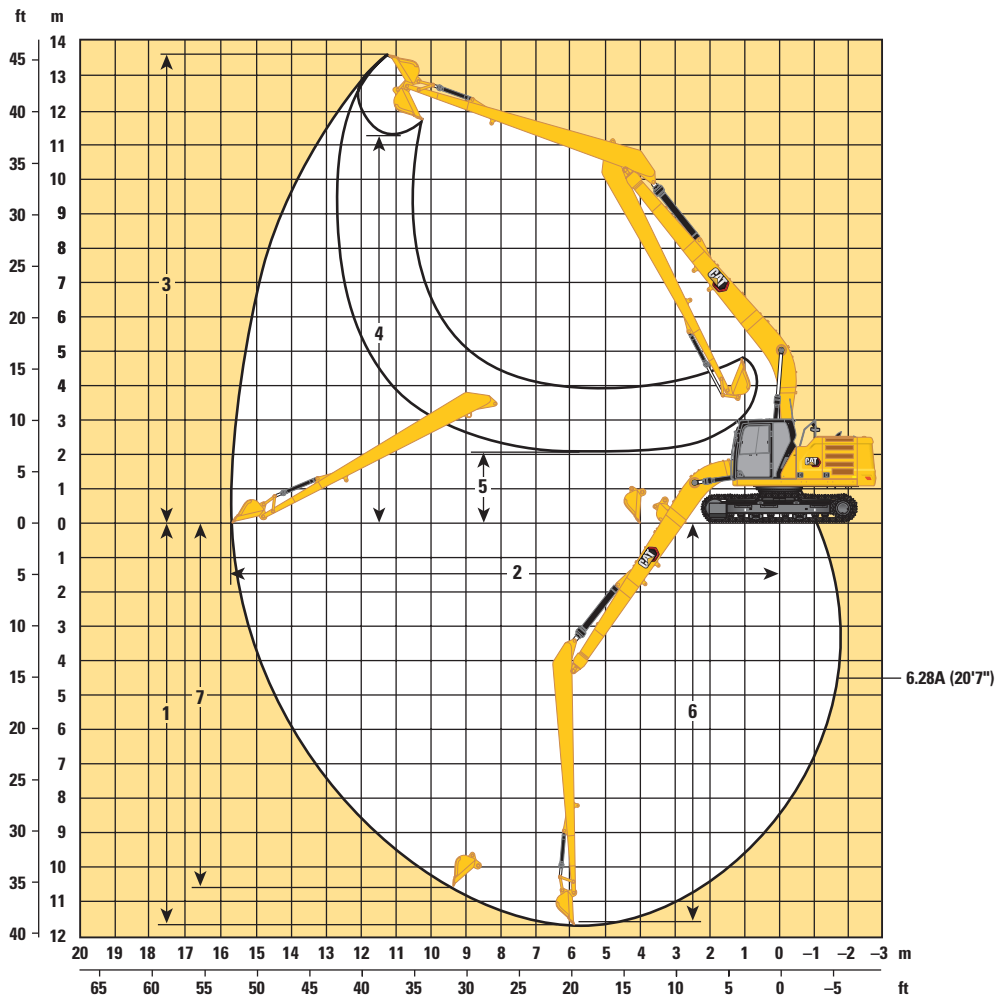
\*Reach has same data as HD Reach.

\*\*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")

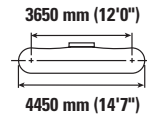
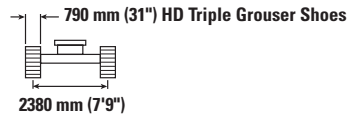
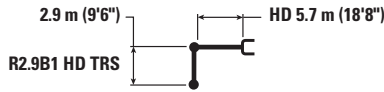
### Stick Options

SLR Stick  
6.28A (20'7")

1 Maximum Digging Depth	11 540 mm	37'10"
2 Maximum Reach at Ground Line	15 570 mm	51'1"
3 Maximum Cutting Height	13 540 mm	44'5"
4 Maximum Loading Height	11 440 mm	37'6"
5 Minimum Loading Height	2240 mm	7'4"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 440 mm	37'6"
7 Maximum Vertical Wall Digging Depth	11 020 mm	36'2"
Bucket Digging Force (ISO)	62 kN	13,841 lbf
Stick Digging Force (ISO)	49 kN	10,966 lbf
Bucket Type	DC	
Bucket Capacity	0.57 m <sup>3</sup>	0.75 yd <sup>3</sup>
Bucket Tip Radius	1070 mm	3'6"

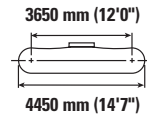
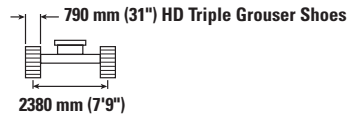
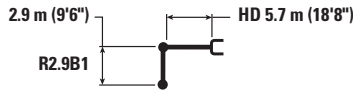
# 323 Hydraulic Excavator Specifications

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



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
		TRS	HD	TRS	HD	TRS	HD	TRS	HD	TRS	HD			
7.5 m 25.0 ft	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6.15 20.00
6.0 m 20.0 ft	kg lb							*5350 *11,750	*5350 *11,750			*3900 *8,650	*3900 *8,650	7.29 24.17
4.5 m 15.0 ft	kg lb							*5900 *12,800	*5900 *12,800	*5500 *12,100	4500 9,700	*3850 *8,450	*3850 *8,450	7.99 26.67
3.0 m 10.0 ft	kg lb					*8600 *18,500	*8600 *18,500	*6750 *14,650	6100 13,150	*5900 *12,850	4400 9,500	*3950 *8,650	3750 8,250	8.36 27.50
1.5 m 5.0 ft	kg lb					*10 400 *22,450	8700 18,800	*7650 *16,600	5850 12,600	*6350 *13,750	4300 9,250	*4150 *9,150	3650 7,950	8.45 28.33
0 m 0 ft	kg lb			*6550 *15,050	*6550 *15,050	*11 400 *24,700	8400 18,100	*8300 *18,000	5650 12,200	6450 13,850	4200 9,050	*4600 *10,150	3700 8,100	8.26 27.50
-1.5 m -5.0 ft	kg lb	*7000 *15,650	*7000 *15,650	*11 350 *25,750	*11 350 *25,750	*11 500 *24,950	8350 17,900	*8500 *18,400	5600 12,050	6400 13,800	4150 9,000	*5400 *11,950	4000 8,750	7.78 25.83
-3.0 m -10.0 ft	kg lb	*12 050 *27,000	*12 050 *27,000	*15 300 *33,100	*15 300 *33,100	*10 800 *23,300	8400 18,050	*8000 *17,200	5600 12,100			*6550 *14,400	4650 10,300	6.95 23.33
-4.5 m -15.0 ft	kg lb			*12 150 *26,050	*12 150 *26,050	*8750 *18,600	8600 18,550					*6600 *14,500	6400 14,350	5.60 18.33

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



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
		TRS	HD	TRS	HD	TRS	HD	TRS	HD	TRS	HD			
7.5 m 25.0 ft	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6.15 20.00
6.0 m 20.0 ft	kg lb							*5950 *13,100	*5950 *13,100			*3950 *8,750	*3950 *8,750	7.29 24.17
4.5 m 15.0 ft	kg lb							*6550 *14,300	6450 13,850	*6200 *12,500	4600 9,900	*3900 *8,550	*3900 *8,550	7.99 26.67
3.0 m 10.0 ft	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	8.36 27.50
1.5 m 5.0 ft	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	8.45 28.33
0 m 0 ft	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	8.26 27.50
-1.5 m -5.0 ft	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	7.78 25.83
-3.0 m -10.0 ft	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	6.95 23.33
-4.5 m -15.0 ft	kg lb			*13 600 *29,150	*13 600 *29,150	*9800 *20,850	8750 18,800					*7400 *16,300	6500 14,600	5.60 18.33



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.

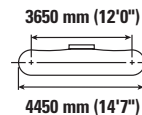
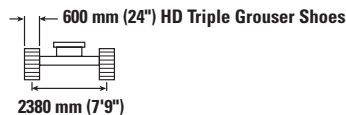
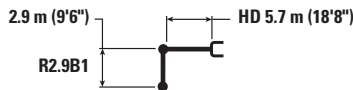
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

TRS = Thumb Ready Stick



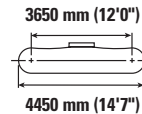
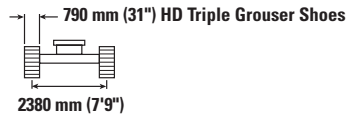
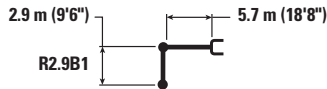
# 323 Hydraulic Excavator Specifications

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



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
		TR	TR	TR	TR	TR	TR	TR	TR	TR	TR			
7.5 m 25.0 ft	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6.15 20.00
6.0 m 20.0 ft	kg lb							*5950	*5950			*3950	*3950	7.29 24.17
4.5 m 15.0 ft	kg lb							*6550	6300	*6200	4500	*3900	*3900	7.99 26.67
3.0 m 10.0 ft	kg lb					*9600	9150	*7550	6050	*6600	4400	*4000	3750	8.36 27.50
1.5 m 5.0 ft	kg lb					*11 600	8650	*8550	5800	6500	4300	*4250	3650	8.45 28.33
0 m 0 ft	kg lb			*6800	*6800	*12 700	8350	8800	5650	6400	4200	*4700	3700	8.26 27.50
-1.5 m -5.0 ft	kg lb	*7250	*7250	*11 700	*11 700	*12 850	8250	8700	5550	6350	4150	*5500	3950	7.78 25.83
-3.0 m -10.0 ft	kg lb	*12 400	*12 400	*17 000	15 950	*12 000	8300	8750	5600			*7100	4650	6.95 23.33
-4.5 m -15.0 ft	kg lb			*13 600	*13 600	*9800	8500					*7400	6350	5.60 18.33

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



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
		TR	TR	TR	TR	TR	TR	TR	TR	TR	TR			
7.5 m 25.0 ft	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6.15 20.00
6.0 m 20.0 ft	kg lb							*5450	*5450			*3950	*3950	7.29 24.17
4.5 m 15.0 ft	kg lb							*6000	*6000	*5650	4600	*3900	*3900	7.99 26.67
3.0 m 10.0 ft	kg lb					*8750	*8750	*6900	6200	*6050	4500	*4000	3850	8.36 27.50
1.5 m 5.0 ft	kg lb					*10 650	8850	*7850	5950	*6500	4400	*4250	3750	8.45 28.33
0 m 0 ft	kg lb			*6600	*6600	*11 650	8600	*8500	5800	6550	4300	*4700	3800	8.26 27.50
-1.5 m -5.0 ft	kg lb	*7050	*7050	*11 400	*11 400	*11 750	8550	*8700	5750	6550	4300	*5500	4100	7.78 25.83
-3.0 m -10.0 ft	kg lb	*12 100	*12 100	*15 600	*15 600	*11 000	8600	*8200	5750			*6700	4800	6.95 23.33
-4.5 m -15.0 ft	kg lb			*12 500	*12 500	*9000	8800					*6800	6500	5.60 18.33



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.

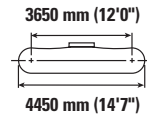
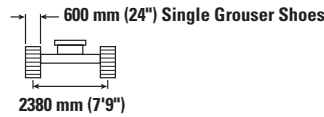
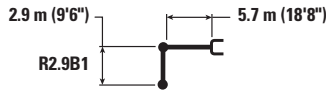
Lift capacity stays with ±5% for all available track shoes.














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

TRS = Thumb Ready Stick

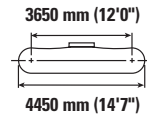
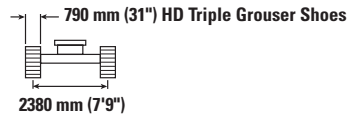
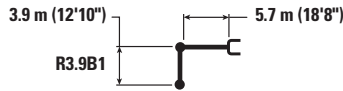
# 323 Hydraulic Excavator Specifications














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



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft
														
7.5 m 25.0 ft	kg lb							*4950	*4950			*4300	*4300	6.15 20.00
6.0 m 20.0 ft	kg lb							*5450	*5450			*3950	*3950	7.29 24.17
4.5 m 15.0 ft	kg lb							*6000	*6000	*5650	4500	*3900	*3900	7.99 26.67
3.0 m 10.0 ft	kg lb					*8750	*8750	*6900	6050	*6050	4400	*4000	3750	8.36 27.50
1.5 m 5.0 ft	kg lb					*10 650	8650	*7850	5850	6500	4300	*4250	3650	8.45 28.33
0 m 0 ft	kg lb			*6600	*6600	*11 650	8400	*8500	5650	6400	4200	*4700	3700	8.26 27.50
-1.5 m -5.0 ft	kg lb	*7050	*7050	*11 400	*11 400	*11 750	8300	*8700	5600	6350	4200	*5500	4000	7.78 25.83
-3.0 m -10.0 ft	kg lb	*12 100	*12 100	*15 600	*15 600	*11 000	8350	*8200	5600			*6700	4650	6.95 23.33
-4.5 m -15.0 ft	kg lb			*12 500	*12 500	*9000	8550					*6800	6350	5.60 18.33

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



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				m ft
																
7.5 m 25.0 ft	kg lb													*3000	*3000	7.32 24.17
6.0 m 20.0 ft	kg lb									*4550	*4550			*2800	*2800	8.30 27.50
4.5 m 15.0 ft	kg lb									*4800	4600			*2750	*2750	8.92 29.17
3.0 m 10.0 ft	kg lb					*7150	*7150	*5900	*5900	*5300	4450	*3850	3400	*2800	*2800	9.25 30.83
1.5 m 5.0 ft	kg lb			*9800	*9800	*9250	8900	*6950	5900	*5850	4300	*4450	3300	*2950	*2950	9.33 30.83
0 m 0 ft	kg lb			*8100	*8100	*10 800	8450	*7850	5700	*6350	4200	*4150	3250	*3200	3150	9.16 30.00
-1.5 m -5.0 ft	kg lb	*6050	*6050	*10 400	*10 400	*11 450	8250	*8400	5550	6350	4100	*7250	7000	*7050	6950	8.73 29.17
-3.0 m -10.0 ft	kg lb	*9400	*9400	*14 450	*14 450	*11 300	8250	*8350	5500	6350	4100			*4450	3800	8.00 26.67
-4.5 m -15.0 ft	kg lb	*13 650	*13 650	*14 700	*14 700	*10 200	8350	*7450	5600					*6100	4700	6.87 22.50
-6.0 m -20.0 ft	kg lb					*7200	*7200							*6400	*6400	4.91



ISO 10567:2007



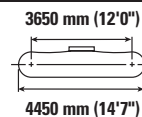
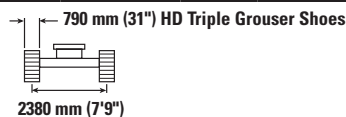
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

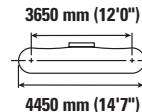
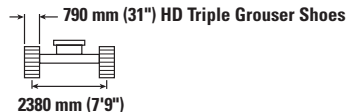
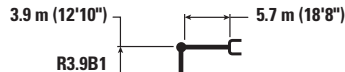
# 323 Hydraulic Excavator Specifications

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



Reach Boom	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6.15 20.00
6.0 m 20.0 ft	kg lb							*5450	*5450			*3950 *8,750	*3950 *8,750	7.29 24.17
4.5 m 15.0 ft	kg lb							*6000	5650	*5650	4050	*3900 *8,550	3650 8,050	7.99 26.67
3.0 m 10.0 ft	kg lb					*8750 *18,850	8250 17,750	*6900 *14,950	5450 11,700	6000 12,950	3950 8,450	*4000 *8,750	3350 7,350	8.36 27.50
1.5 m 5.0 ft	kg lb					*10 650 *22,950	7750 16,700	*7850 *17,000	5200 11,200	5900 12,700	3800 8,200	*4250 *9,300	3250 7,100	8.45 28.33
0 m 0 ft	kg lb			*6600 *15,150	*6600 *15,150	*11 650 *25,200	7500 16,100	8050 17,250	5050 10,850	5800 12,500	3750 8,050	*4700 *10,300	3300 7,200	8.26 27.50
-1.5 m -5.0 ft	kg lb	*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	*11 750 *25,500	7400 15,900	7950 17,100	4950 10,700	5800 12,450	3700 8,000	*5500 *12,100	3550 7,800	7.78 25.83
-3.0 m -10.0 ft	kg lb	*12 100 *27,100	*12 100 *27,100	*15 600 *33,800	14 350 30,700	*11 000 *23,800	7450 16,050	8000 17,150	5000 10,750			6500 14,400	4150 9,200	6.95 23.33
-4.5 m -15.0 ft	kg lb			*12 500 *26,700	*12 500 *26,700	*9000 *19,100	7650 16,500					*6800 *14,950	5650 12,750	5.60 18.33

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



Reach Boom	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		m ft		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb													*3000 *6,600	*3000 *6,600	7.32 24.17
6.0 m 20.0 ft	kg lb									*4550 *9,600	4100 8,750			*2800 *6,150	*2800 *6,150	8.30 27.50
4.5 m 15.0 ft	kg lb									*4800 *10,500	4000 8,600			*2750 *6,050	*2750 *6,050	8.92 29.17
3.0 m 10.0 ft	kg lb					*7150 *15,350	*7150 *15,350	*5900 *12,800	5450 11,700	*5300 *11,500	3900 8,350	*3850 *7,150	2900 6,200	*2800 *6,150	2800 6,100	9.25 30.83
1.5 m 5.0 ft	kg lb			*9800 *23,350	*9800 *23,350	*9250 *19,950	7800 16,750	*6950 *15,100	5150 11,050	5800 12,500	3750 8,000	4450 *8,500	2850 6,100	*2950 *6,450	2700 5,900	9.33 30.83
0 m 0 ft	kg lb			*8100 *18,450	*8100 *18,450	*10 800 *23,300	7350 15,800	*7850 17,000	4900 10,550	5700 12,200	3600 7,700	*4150 *7,250	2800 5,950	*3200 *7,050	2700 5,950	9.16 30.00
-1.5 m -5.0 ft	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 450 *24,800	7150 15,350	7750 16,650	4750 10,250	5600 12,000	3500 7,550			*3650 *8,000	2850 6,300	8.73 29.17
-3.0 m -10.0 ft	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	13 700 29,350	*11 300 *24,450	7100 15,300	7700 16,550	4750 10,150	5600 12,050	3500 7,550			*4450 *9,850	3250 7,150	8.00 26.67
-4.5 m -15.0 ft	kg lb	*13 650 *30,750	*13 650 *30,750	*14 700 *31,600	13 950 29,950	*10 200 *21,900	7200 15,550	*7450 *15,950	4800 10,400					*6100 *13,400	4050 9,050	6.87 22.50
-6.0 m -20.0 ft	kg lb					*7200 *7200								*6400 *6400		4.91



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.

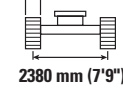
# 323 Hydraulic Excavator Specifications

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

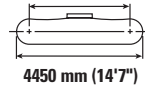
6.28 m (20'7") 8.85 m (29'0")



600 mm (24") Single Grouser Shoes



3650 mm (12'0")



Boom Length m ft	kg lb	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
12.0 m 40.0 ft	kg lb											*1450 *3,200	*1450 *3,200	10.35 33.30
10.5 m 35.0 ft	kg lb											*1350 *2,950	*1350 *2,950	11.66 38.33
9.0 m 30.0 ft	kg lb											*1300 *2,850	*1300 *2,850	12.66 41.67
7.5 m 25.0 ft	kg lb											*1250 *2,800	*1250 *2,800	13.41 44.17
6.0 m 20.0 ft	kg lb											*1250 *2,750	*1250 *2,750	13.97 45.83
4.5 m 15.0 ft	kg lb											*1300 *2,800	*1300 *2,800	14.34 47.50
3.0 m 10.0 ft	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	*1300 *2,900	14.55 48.33
1.5 m 5.0 ft	kg lb					*6750 *15,950	*6750 *15,950	*5250 *11,300	5100 11,000	*4100 *8,850	3800 8,150	*1400 *3,000	1350 2,900	14.60 48.33
0 m 0 ft	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4650 10,000	*4550 *9,800	3500 7,500	*1450 *3,200	1300 2,900	14.49 47.50
-1.5 m -5.0 ft	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	4350 9,400	*4850 *10,450	3300 7,050	*1550 *3,450	1350 2,900	14.23 46.67
-3.0 m -10.0 ft	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,700	*6400 *13,900	4250 9,100	*5000 *10,800	3150 6,800	*1750 *3,800	1400 3,050	13.79 45.83
-4.5 m -15.0 ft	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	*6050 *13,650	*6400 *13,800	4200 9,050	*5050 *10,850	3100 6,700	*1950 *4,300	1500 3,250	13.17 43.33
-6.0 m -20.0 ft	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	6450 13,900	*6150 *13,250	4250 9,150	*4900 *10,550	3100 6,700	*2300 *5,100	1650 3,650	12.34 40.83
-7.5 m -25.0 ft	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	6650 14,300	*5650 *12,150	4350 9,400	*4550 *9,750	3200 6,900	*2700 *5,950	1900 4,250	11.24 36.67
-9.0 m -30.0 ft	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	*6150 *13,100	*4850 *10,350	4550 9,800	*3900 *8,300	3350 7,200	*2700 *5,900	2400 5,400	9.80 31.67



ISO 10567:2007



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

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

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

(continued on next page)

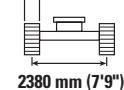
# 323 Hydraulic Excavator Specifications

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

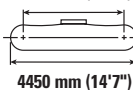
6.28 m (20'7") 8.85 m (29'0")














600 mm (24") Single Grouser Shoes



3650 mm (12'0")



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



ISO 10567:2007



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

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

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

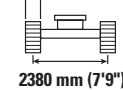
# 323 Hydraulic Excavator Specifications

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

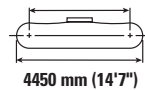
6.28 m (20'7") 8.85 m (29'0")
















790 mm (31") HD Triple Grouser Shoes



3650 mm (12'0")



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft
														
12.0 m 40.0 ft	kg lb											*1450 *3,200	*1450 *3,200	10.35 33.30
10.5 m 35.0 ft	kg lb											*1350 *2,950	*1350 *2,950	11.66 38.33
9.0 m 30.0 ft	kg lb											*1300 *2,850	*1300 *2,850	12.66 41.67
7.5 m 25.0 ft	kg lb											*1250 *2,800	*1250 *2,800	13.41 44.17
6.0 m 20.0 ft	kg lb											*1250 *2,750	*1250 *2,750	13.97 45.83
4.5 m 15.0 ft	kg lb											*1300 *2,800	*1300 *2,800	14.34 47.50
3.0 m 10.0 ft	kg lb			*4700 *11,800	*4700 *11,800	*6050 *12,900	*6050 *12,900	*4450 *9,550	*4450 *9,550	*3600 *7,800	*3600 *7,800	*1300 *2,900	*1300 *2,900	14.55 48.33
1.5 m 5.0 ft	kg lb					*6750 *15,950	*6750 *15,950	*5250 *11,300	5250 11,300	*4100 *8,850	3900 8,400	*1400 *3,000	*1400 *3,000	14.60 48.33
0 m 0 ft	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*5900 *12,700	4800 10,350	*4550 *9,800	3600 7,750	*1450 *3,200	1350 3,000	14.49 47.50
-1.5 m -5.0 ft	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,050	*2700 *6,050	*4650 *10,500	*4650 *10,500	*6250 *13,550	4500 9,700	*4850 *10,450	3400 7,300	*1550 *3,450	1400 3,050	14.23 46.67
-3.0 m -10.0 ft	kg lb	*2850 *6,350	*2850 *6,350	*3500 *7,850	*3500 *7,850	*5200 *11,700	*5200 *11,700	*6400 *13,900	4400 9,400	*5000 *10,800	3250 7,050	*1750 *3,800	1450 3,150	13.79 45.83
-4.5 m -15.0 ft	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	*6050 *13,700	*6400 *13,800	4350 9,350	*5050 *10,850	3200 6,900	*1950 *4,300	1550 3,400	13.17 43.33
-6.0 m -20.0 ft	kg lb	*4550 *10,100	*4550 *10,100	*5400 *12,150	*5400 *12,150	*7200 *16,300	6650 14,350	*6150 *13,250	4400 9,450	*4900 *10,550	3250 6,950	*2300 *5,100	1700 3,750	12.34 40.83
-7.5 m -25.0 ft	kg lb	*5500 *12,250	*5500 *12,250	*6550 *14,800	*6550 *14,800	*7300 *15,650	6850 14,750	*5650 *12,150	4500 9,700	*4550 *9,750	3300 7,100	*2700 *5,950	2000 4,400	11.24 36.67
-9.0 m -30.0 ft	kg lb			*7950 *17,450	*7950 *17,450	*6150 *13,100	*6150 *13,100	*4850 *10,350	4700 10,100	*3900 *8,300	3450 7,450	*2700 *5,900	2500 5,600	9.80 31.67



ISO 10567:2007



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

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

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

(continued on next page)

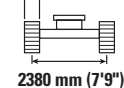
# 323 Hydraulic Excavator Specifications

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

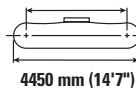
6.28 m (20'7") 8.85 m (29'0")














790 mm (31") HD Triple Grouser Shoes



3650 mm (12'0")



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



ISO 10567:2007



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

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

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

# 323 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight				
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	Reach Boom		Reach Boom		HD Reach Boom	SLR Boom
										R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS	SLR8.85 (29'0")
<b>Pin-On (No Quick Coupler)</b>															
General Duty Capacity	B	600	24	0.55	0.72	620	1,366	100	●	●	●	●	●		
	B	750	30	0.75	0.98	717	1,580	100	●	●	●	●	●		
	B	900	36	0.95	1.24	793	1,747	100	●	⊙	●	●	●		
	B	1050	42	1.16	1.52	848	1,869	100	●	⊖	●	⊙	●		
	B	1200	48	1.38	1.80	924	2,038	100	⊖	○	●	⊖	⊙		
	B	1350	54	1.59	2.08	1002	2,210	100	○	◇	⊙	○	⊖		
General Duty Capacity – Wide Tip	B	600	24	0.55	0.72	617	1,360	100	●	●	●	●	●		
	B	750	30	0.75	0.98	715	1,576	100	●	●	●	●	●		
	B	900	36	0.95	1.24	791	1,743	100	●	⊙	●	●	●		
	B	1050	42	1.16	1.52	861	1,899	100	●	⊖	●	⊙	●		
	B	1200	48	1.38	1.80	938	2,069	100	⊖	○	●	⊖	⊙		
	B	1350	54	1.59	2.08	1016	2,241	100	○	◇	⊙	○	⊖		
Heavy Duty	B	600	24	0.46	0.60	647	1,426	100	●	●	●	●	●		
	B	750	30	0.64	0.84	752	1,658	100	●	●	●	●	●		
	B	900	36	0.81	1.06	835	1,841	100	●	●	●	●	●		
	B	1050	42	1.00	1.31	892	1,967	100	●	⊖	●	●	●		
	B	1200	48	1.19	1.56	975	2,150	100	⊙	○	●	⊙	●		
	B	1350	54	1.38	1.81	1060	2,336	100	X	X	X	X	X		
Heavy Duty Power	B	1050	42	0.96	1.26	898	1,980	100	●	⊖	●	●	●		
	B	1200	48	1.14	1.49	983	2,167	100	X	X	X	X	X		
Severe Duty	B	600	24	0.46	0.61	683	1,506	90	●	●	●	●	●		
	B	750	30	0.64	0.84	795	1,753	90	●	●	●	●	●		
	B	900	36	0.81	1.06	885	1,950	90	●	●	●	●	●		
	B	1050	42	1.00	1.31	948	2,091	90	●	⊙	●	●	●		
	B	1200	48	1.19	1.56	1038	2,289	90	●	○	●	⊙	●		
Severe Duty Power	B	900	36	0.79	1.03	853	1,881	90	●	●	●	●	●		
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	○	◇	⊙	○	⊖		
	B	2000	78	1.76	2.31	1045	2,303	100	○	X	⊖	○	⊖		
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	●	⊙	●	●	●		
	B	1800	72	1.24	1.62	739	1,630	100	⊙	⊖	●	⊙	●		
Ditch Cleaning Tilt	B	1500	60	0.90	1.18	948	2,090	100	●	⊙	●	●	●		
	B	1800	72	1.11	1.45	1063	2,344	100	⊙	○	●	⊙	●		
	B	1800	72	1.40	1.83	1105	2,437	100	⊖	◇	⊙	○	⊙		
	B	2000	79	1.23	1.61	1132	2,496	100	⊖	◇	●	⊖	⊙		
Tamping	B	2200	86	0.72	0.94	868	1,913	100	●	●	●	●	●		
	B	2200	86	0.90	1.18	891	1,965	100	●	⊙	●	●	●		
General Duty	312	900	36	0.53	0.69	403	888	100						○	
Ditch Cleaning	312	1200	48	0.57	0.74	386	851	100						○	
Maximum load with pin-on (payload + bucket)									kg	3100	2445	3710	2985	2840	1140
									lb	6,834	5,390	8,179	6,581	6,261	2,513

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+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.

TRS = Thumb Ready Stick

### 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>)
- ◇ 900 kg/m<sup>3</sup> (1,500 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	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight				
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	Reach Boom		Reach Boom		HD Reach Boom	SLR Boom
										R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS	SLR8.85 (29'0")
<b>With Cat Pin Grabber Coupler</b>															
General Duty Capacity	B	600	24	0.55	0.72	620	1,366	100	●	●	●	●	●		
	B	750	30	0.75	0.98	717	1,580	100	●	⊙	●	●	●		
	B	900	36	0.95	1.24	793	1,747	100	●	○	●	⊙	●		
	B	1050	42	1.16	1.52	848	1,869	100	⊖	◇	●	⊖	⊙		
	B	1200	48	1.38	1.80	924	2,038	100	○	◇	⊙	○	⊖		
	B	1350	54	1.59	2.08	1002	2,210	100	◇	X	⊖	◇	○		
General Duty Capacity – Wide Tip	B	600	24	0.55	0.72	617	1,360	100	●	●	●	●	●		
	B	750	30	0.75	0.98	715	1,576	100	●	⊙	●	●	●		
	B	900	36	0.95	1.24	791	1,743	100	●	○	●	⊙	●		
	B	1050	42	1.16	1.52	861	1,899	100	⊖	◇	●	⊖	⊙		
	B	1200	48	1.38	1.80	938	2,069	100	○	X	⊙	○	⊖		
	B	1350	54	1.59	2.08	1016	2,241	100	◇	X	⊖	◇	○		
Heavy Duty	B	600	24	0.46	0.60	647	1,426	100	●	●	●	●	●		
	B	750	30	0.64	0.84	752	1,658	100	●	●	●	●	●		
	B	900	36	0.81	1.06	835	1,841	100	●	⊖	●	●	●		
	B	1050	42	1.00	1.31	892	1,967	100	⊙	○	●	⊙	●		
	B	1200	48	1.19	1.56	975	2,150	100	⊖	◇	●	○	⊙		
	B	1350	54	1.38	1.81	1060	2,336	100	○	X	⊖	○	⊖		
Heavy Duty Power	B	1050	42	0.96	1.26	898	1,980	100	⊙	○	●	⊙	●		
	B	1200	48	1.14	1.49	983	2,167	100	⊖	◇	●	⊖	⊙		
Heavy Duty Pin Grabber Performance	B	600	24	0.44	0.57	682	1,503	100	●	●	●	●	●		
	B	750	30	0.60	0.79	787	1,735	100	●	●	●	●	●		
	B	900	36	0.76	1.00	876	1,931	100	●	⊖	●	●	●		
	B	1050	42	0.93	1.22	940	2,072	100	⊙	○	●	⊙	●		
	B	1200	48	1.11	1.45	1031	2,272	100	⊖	◇	●	⊖	⊙		
	B	1350	54	1.28	1.67	1122	2,474	100	○	X	⊙	○	⊖		
Severe Duty	B	600	24	0.46	0.61	683	1,506	90	●	●	●	●	●		
	B	750	30	0.64	0.84	795	1,753	90	●	●	●	●	●		
	B	900	36	0.81	1.06	885	1,950	90	●	⊖	●	●	●		
	B	1050	42	1.00	1.31	948	2,091	90	●	○	●	⊙	●		
	B	1200	48	1.19	1.56	1038	2,289	90	⊖	◇	●	⊖	⊙		
	B	900	36	0.79	1.03	853	1,881	90	●	⊙	●	●	●		
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	◇	X	⊖	◇	○		
	B	2000	78	1.76	2.31	1045	2,303	100	◇	X	○	◇	○		
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	●	⊖	●	⊙	●		
	B	1800	72	1.24	1.62	739	1,630	100	⊖	◇	●	⊖	⊙		
Ditch Cleaning Tilt	B	1500	60	0.90	1.18	948	2,090	100	●	⊙	●	●	●		
	B	1800	72	1.11	1.45	1063	2,344	100	⊙	○	●	⊙	●		
	B	1800	72	1.40	1.83	1105	2,437	100	⊖	◇	⊙	○	⊙		
	B	2000	79	1.23	1.61	1132	2,496	100	○	X	⊙	○	⊖		
Maximum load with coupler (payload + bucket)									kg	2779	2112	3401	2660	3140	940
									lb	6,127	4,656	7,498	5,865	6,924	2,073

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.

TRS = Thumb Ready Stick

### 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>)
- ◇ 900 kg/m<sup>3</sup> (1,500 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	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight			
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	Reach Boom		Reach Boom		HD Reach Boom
										R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS
<b>Pin-On, TRS18 S70</b>														
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	1250	49	1.10	1.44	850	1,874	100	○	X	⊙	○	○	
Heavy Duty – Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	
Maximum load with pin-on (payload + bucket)									kg	2519	1852	3141	2400	2880
									lb	5,553	4,083	6,925	5,291	6,350
<b>With S70, TRS18 S70</b>														
Heavy Duty – Grading	B	1600	63	1.00	1.31	691	1,523	100	⊖	X	●	○	○	
	B	1800	71	1.10	1.44	758	1,671	100	○	X	⊙	○	◇	
Heavy Duty – Digging	B	1150	45	0.90	1.18	778	1,715	100	⊖	X	●	○	○	
	B	1250	49	1.10	1.44	850	1,874	100	○	X	⊙	◇	◇	
Heavy Duty – Trenching	B	600	24	0.55	0.72	460	1,014	100	●	●	●	●	●	
Maximum load with pin-on (payload + bucket)									kg	2264	1597	2886	2145	2625
									lb	4,991	3,520	6,362	4,729	5,787

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>)
- ◇ 900 kg/m<sup>3</sup> (1,500 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.

# 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.

<input checked="" type="checkbox"/> Match	<input type="checkbox"/> * Working range front only	<input type="checkbox"/> † Allowed usage on machine less than 50%	<input type="checkbox"/> No Match	<input checked="" type="checkbox"/> 1800 kg/m <sup>3</sup> (3,000 lb/yd <sup>3</sup> )	<input type="checkbox"/> 1200 kg/m <sup>3</sup> (2,000 lb/yd <sup>3</sup> )
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### PIN-ON ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
		Reach		Reach	HD Reach	
Boom Type		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Stick Length						
Hydraulic Hammers	H120 GC	✓	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓	✓
	H130 GC	✓†		✓†		✓
	H130 GC S	✓†		✓†		✓
	H130 S	✓†	✓	✓†	✓	✓
	Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓
MP318 Demolition Jaw		✓	✓	✓	✓	✓
MP318 Pulverizer Jaw		✓	✓	✓		✓
MP318 Shear Jaw		✓	✓	✓	✓	✓
MP318 Universal Jaw		✓	✓	✓	✓	✓
MP324 Concrete Cutter Jaw		✓		✓		✓
MP324 Demolition Jaw		✓		✓		✓
MP324 Shear Jaw		✓		✓		✓
MP324 Tank Shear Jaw		✓*		✓		✓
MP324 Universal Jaw		✓*		✓		✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓	✓
	G318 WH-1100	✓		✓		✓
	G324	✓*		✓		✓
	G324 WH-1500	✓*		✓		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓		✓		✓
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P224 Secondary Pulverizer					
	P318 Primary Pulverizer	✓		✓		✓
	P324 Primary Pulverizer	✓*		✓		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓
Mulchers	HM4015	✓	✓	✓	✓	✓
	HM4018	✓	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	●	●	●	●	●
	GSH420-600	●	●	●	●	●
	GSH420-750	●	○	●	●	●
	GSH425-750	●		●	○	●
	GSH425-950	○		●		●
	GSH425-1150			○		○
	GSH520-500	●	●	●	●	●
	GSH520-600	●	○	●	●	●
	GSH520-750	●	○	●	○	●
	GSH525-750	○		●		●
	GSH525-950			○		○
	GSH525-1150			○		

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

(continued on next page)

# 323 Hydraulic Excavator Specifications

## Attachments Offering Guide (continued)

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

Match     
  \* Working range front only     
  † Allowed usage on machine less than 50%     
  No Match

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
		Reach		Reach		HD Reach
Boom Type		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H120 GC	✓†	✓†	✓†	✓†	✓
	H120 GC S	✓†	✓†	✓†	✓†	✓
	H120 S	✓†	✓†	✓†	✓†	✓
	H130 GC	✓†		✓†		✓
	H130 GC S	✓†		✓†		✓
	H130 S	✓†		✓†		✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓		✓		✓
	MP318 Demolition Jaw	✓		✓		✓
	MP318 Pulverizer Jaw	✓		✓		✓
	MP318 Shear Jaw	✓		✓		✓
	MP318 Universal Jaw	✓		✓		✓
Demolition and Sorting Grapples	G318	✓		✓		✓
	G318 WH-800	✓		✓		✓
	G318 WH-1100	✓		✓		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓*		✓		
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P318 Primary Pulverizer	✓		✓		✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓
Mulchers	HM4015	✓	✓	✓	✓	✓
	HM4815	✓	✓	✓	✓	✓

### S70 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
		Reach		Reach		HD Reach
Boom Type		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H120 GC S	✓†	✓†	✓†	✓†	✓
	H120 S	✓†	✓†	✓†	✓†	✓
	H130 S	✓†	✓†	✓†	✓†	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓		✓		✓
	MP318 Demolition Jaw	✓		✓		✓
	MP318 Pulverizer Jaw	✓		✓		✓
	MP318 Shear Jaw	✓		✓		✓
	MP318 Universal Jaw	✓		✓		✓
Demolition and Sorting Grapples	G318	✓		✓		✓
	G318 WH-800	✓		✓		✓
	G318 WH-1100	✓		✓		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓		✓		✓
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P318 Primary Pulverizer	✓		✓		✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

(continued on next page)

# 323 Hydraulic Excavator Specifications

## Attachments Offering Guide *(continued)*

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

Match

† Allowed usage on machine less than 50%

No Match

### HCS70 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		Reach		Reach	HD Reach	
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H120 S	✓†	✓†	✓†	✓†	✓
	H130 S	✓†		✓†		✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓		✓		✓
	MP318 Demolition Jaw	✓		✓		✓
	MP318 Pulverizer Jaw	✓		✓		✓
	MP318 Shear Jaw	✓		✓		✓
	MP318 Universal Jaw	✓		✓		✓
Demolition and Sorting Grapples	G318	✓		✓		✓
	G318 WH-800	✓		✓		✓
	G318 WH-1100	✓		✓		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top			✓		
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P318 Primary Pulverizer	✓		✓		✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓

### HCS70/55 DEDICATED COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		Reach		Reach	HD Reach	
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H120 S	✓†	✓†	✓†	✓†	✓
	H130 S	✓†		✓†		✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓		✓		✓
	MP318 Demolition Jaw	✓		✓		✓
	MP318 Pulverizer Jaw	✓		✓		✓
	MP318 Shear Jaw	✓		✓		✓
	MP318 Universal Jaw	✓		✓		✓
Demolition and Sorting Grapples	G318	✓		✓		✓
	G318 WH-800	✓		✓		✓
	G318 WH-1100	✓		✓		✓
Pulverizers	P218 Secondary Pulverizer	✓		✓		✓
	P318 Primary Pulverizer	✓		✓		✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓	✓
Rotary Cutters	RC20	✓	✓	✓	✓	✓

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

*(continued on next page)*

# 323 Hydraulic Excavator Specifications

## Attachments Offering Guide *(continued)*

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

Match

† Allowed usage on machine less than 50%

No Match

### TRS18 (PIN-ON TOP/S70 BOTTOM) ATTACHMENTS

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

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)	
Boom Type		Reach		Reach	
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")
Hydraulic Hammers	H115 S	✓	✓	✓	✓
	H120 GC S	✓†		✓†	
	H120 S	✓†		✓†	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓
	CVP110	✓	✓	✓	✓

**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.

### TRS18 (S70 TOP/S70 BOTTOM) ATTACHMENTS

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

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		Reach		Reach	HD Reach	
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓
	H120 GC S	✓†		✓†		✓
	H120 S	✓†		✓†		✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓
	CVP110	✓	✓	✓	✓	✓

**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.

### TRS18 (PIN-ON 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.

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
Boom Type		Reach		Reach	HD Reach	
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓
	H120 S	✓†		✓†		✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓
	CVP110	✓	✓	✓	✓	✓

**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.

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

*(continued on next page)*

# 323 Hydraulic Excavator Specifications

## Attachments Offering Guide (continued)

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

Match     
  \* Working range front only     
  † Allowed usage on machine less than 50%     
  No Match

### TRS18 (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.

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
		Reach		Reach	HD Reach	
Boom Type		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 S	✓		✓		✓
	H120 S	✓†		✓†		✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓
	CVP110	✓		✓		✓

**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.

### TRS18 (PIN-ON TOP/HCS70/55 BOTTOM) ATTACHMENTS

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

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
		Reach		Reach	HD Reach	
Boom Type		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 S	✓	✓	✓	✓	✓
	H120 S	✓†		✓†		✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓
	CVP110	✓	✓	✓	✓	✓

**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.

### TRS18 (HCS70/55 TOP/HCS70/55 BOTTOM) ATTACHMENTS

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

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)		
		Reach		Reach	HD Reach	
Boom Type		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 S	✓		✓		✓
	H120 S	✓†*		✓†		✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓
	CVP110	✓		✓		✓

**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.

### BOOM-MOUNT ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)		5.4 mt (11,900 lb)	
		Reach HD		Reach	Reach HD
Mobile Scrap and Demolition Shears	S2050	✓		✓	✓
	S3035 Flat Top	✓		✓	✓

Demolition and Sorting Grapple: WH – Waste Handling shells

TRS = Thumb Ready

# 323 Hydraulic Excavator Specifications

## Thumb Specifications

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

Match

No Match

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



## Standard and Optional Equipment

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

	Standard	Optional		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 (9,842.5 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	✓		Cold starting capability for -32° C (-25° F)		✓
51 mm (2") seat belt	✓		Double element air filter with integrated pre-cleaner	✓	
Monitor integrated Bluetooth® radio with USB/Auxiliary ports	✓		Electric fuel priming pump	✓	
12V DC outlets	✓		Electric cooling fans with auto-reverse function	✓	
Document storage	✓		<b>HYDRAULIC SYSTEM</b>		
Overhead storage and rear storage with nets	✓		Boom and stick regeneration circuits	✓	
Beverage holder	✓		Boom and stick lowering check valves		✓
Cup holder	✓		Heavy lift configuration		✓
Openable two-piece front window	✓		Electronic main control valve	✓	
Rear window emergency exit	✓		Auto Dig Boost <sup>1</sup>	✓	
Radial wiper with washer	✓		Auto heavy lift <sup>2</sup>	✓	
Openable polycarbonate skylight hatch	✓		Auto warm up	✓	
LED dome light	✓		Auto two-speed travel	✓	
Floor welcome light	✓		Boom and stick drift reduction valve	✓	
Roof sunscreen	✓		Element type main hydraulic filter	✓	
Roller front sunscreen	✓		Slider joysticks	✓	
Roller rear sunscreen		✓	Tandem type electronic main pump	✓	
Washable floor mat	✓		Fine swing control	✓	
Beacon ready	✓		Hammer return filter circuit		✓
Cat Stick Steer		✓	Hydraulic efficiency monitoring		✓
			Advanced Tool Control (two pump, one/two way high-pressure flow)		✓
			Medium pressure auxiliary circuit		✓

<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>		
790 mm (31 in) HD triple grouser track shoes	✓		1,000 CCA maintenance-free batteries (×2)	✓	
600 mm (24 in) single grouser track shoes		✓	Centralized electrical disconnect switch	✓	
Tie-down points on base frame	✓		Programmable time-delay LED working lights	✓	
Segmented track guiding guards	✓		LED chassis light, Left Hand (LH) and Right Hand (RH) boom lights, cab lights	✓	
Full-length track guiding guards		✓	Premium surround lighting package		✓
HD bottom guard	✓				
Swivel guard		✓			
HD travel motor guards	✓				
Grease lubricated track links	✓				
4.2 mt (9,260 lb) counterweight		✓			
5.4 mt (11,900 lb) counterweight	✓				
<b>BOOMS, STICKS AND LINKAGES</b>					
5.7 m (18'8") Reach boom		✓			
5.7 m (18'8") HD Reach boom		✓			
8.85 m (29'0") Super Long Reach boom		✓			
2.9 m (9'6") Reach stick		✓			
2.9 m (9'6") HD Thumb Ready Reach stick		✓			
3.9 m (12'10") Reach stick		✓			
6.28 m (20'7") Super Long Reach stick		✓			
Bucket linkage, B1-type with lifting eye, Cat Grade		✓			
Bucket linkage, A-type, with lifting eye		✓			

*(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>		
VisionLink®	✓ <sup>3</sup>		Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports	✓	
VisionLink Productivity		✓	QuickEvac™ maintenance ready		✓
Remote Flash	✓		Grouped location for engine oil and fuel filters	✓	
Remote Troubleshoot	✓		Ground-level second dipstick for engine oil	✓	
Cat Grade Connectivity		✓	Radiator screen		✓
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓		Integrated vehicle health management system	✓	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓		<b>SAFETY AND SECURITY</b>		
Cat Grade 2D <sup>4</sup>	✓		Cat Command (remote control)		✓
Cat Grade 2D with Attachment Ready Option (ARO)		✓	2D E-Fence: <sup>4</sup>	✓	
Cat Grade 3D single GNSS		✓	– E-ceiling		
Cat Grade 3D dual GNSS		✓	– E-floor		
Laser catcher		✓	– E-swing		
Cat Assist: <sup>4</sup>	✓		– E-wall		
– Grade Assist			– E-cab avoidance		
– Boom Assist			Auto hammer stop	✓	
– Bucket Assist			Rearview and right-hand-sideview cameras	✓	
– Swing Assist			360° visibility		✓
– Lift Assist			Neutral lever (lock out) for all controls	✓	
Cat Payload: <sup>4</sup>	✓		Anti-skid plate and countersunk bolts on service platform	✓	
– Static weigh			Ground-level accessible secondary engine shutoff switch in cab	✓	
– Semiautomatic calibration			Lockable disconnect switch	✓	
– Payload/cycle information			Swing alarm		✓
– USB reporting capability			RH handrail and handhold	✓	
Work tool recognition (PL161)	✓		Travel alarm	✓	
Work tool tracking (PL161)	✓		Inspection lighting		✓
Cat Tilt Rotator (TRS) Integration		✓			
Operator Coaching		✓			

<sup>3</sup>Connect subscription only. Additional subscriptions are available. Contact your Cat dealer for availability.

<sup>4</sup>Optional on machines equipped with a Super Long Reach boom and stick.

## Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

### CAB

- Lower radial wiper
- Rain protector plus cab light cover
- Laminated P5A glass front windshield
- LH/RH electrical pedal for tool control
- Armrest kit
- Seat with 4-point seatbelt capability
- Dual exit rear window kit
- Tool box
- Auxiliary relay

### ELECTRICAL

- Premium surround working lights

### GUARDS

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

### MAINTENANCE

- Jump start wiring
- Duct ready kit

### SAFETY AND SECURITY

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

### OTHER ATTACHMENTS

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

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 (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<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 6395:2008 (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.

## 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
  - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval

## Recycling

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

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

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

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

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

Recyclability – 98%

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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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AEXQ2162-07 (10-2023)  
Replaces AEXQ2162-06  
Build Number: 07G  
(N Am)

