



# 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, Heavy Duty (HD) Reach boom, R2.9 (9'6"), HD Thumb Ready 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>		
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.

# 323 Hydraulic Excavator Specifications

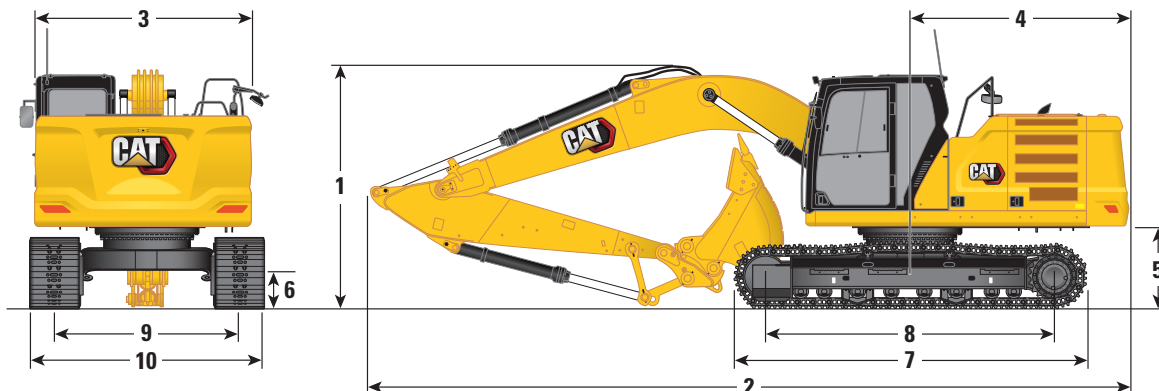
## Major Component Weights

	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")

HD Reach Boom  
5.7 m (18'8")

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

### Stick Options

Reach  
Stick

HD Thumb  
Ready Stick

Super Long  
Reach Stick

R2.9B1 (9'6")

R3.9B1 (12'10")

R2.9B1 (9'6")

6.28A (20'7")

### 1 Machine Height:

Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of Global Navigation Satellite System (GNSS) Antenna Height (if installed)	3000 mm	9'10"	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"	3100 mm	10'2"
Handrail Height	2950 mm	9'8"	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"	3160 mm	10'4"	3190 mm	10'5"
With Boom/Stick Installed	2910 mm	9'7"	3190 mm	10'6"	2910 mm	9'7"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	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"	9530 mm	31'3"	12 750 mm	41'10"
With Boom/Stick Installed	9500 mm	31'2"	9530 mm	31'3"	9500 mm	31'2"	12 760 mm	41'10"
With Boom Installed	8450 mm	27'9"	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"	2780 mm	9'1"
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### 4 Tail Swing Radius

	2830 mm	9'3"	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"	1050 mm	3'5"
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### 6 Ground Clearance

	470 mm	1'7"	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"	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"	3650 mm	12'0"
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### 9 Track Gauge

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

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

### Bucket Type

HD

HD

HD

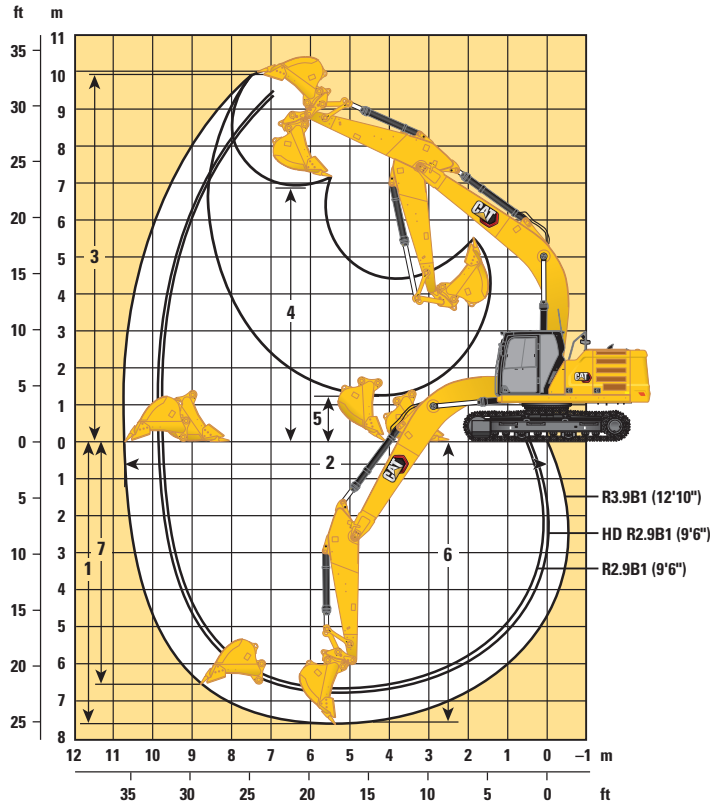
GD

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>	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"	1570 mm	5'2"	1230 mm	4'0"

# 323 Hydraulic Excavator Specifications

## Working Ranges

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")

HD Reach Boom  
5.7 m (18'8")

### Stick Options

Reach  
Stick

Reach  
Stick

HD Thumb  
Ready Stick

R2.9B1 (9'6")

R3.9B1 (12'10")

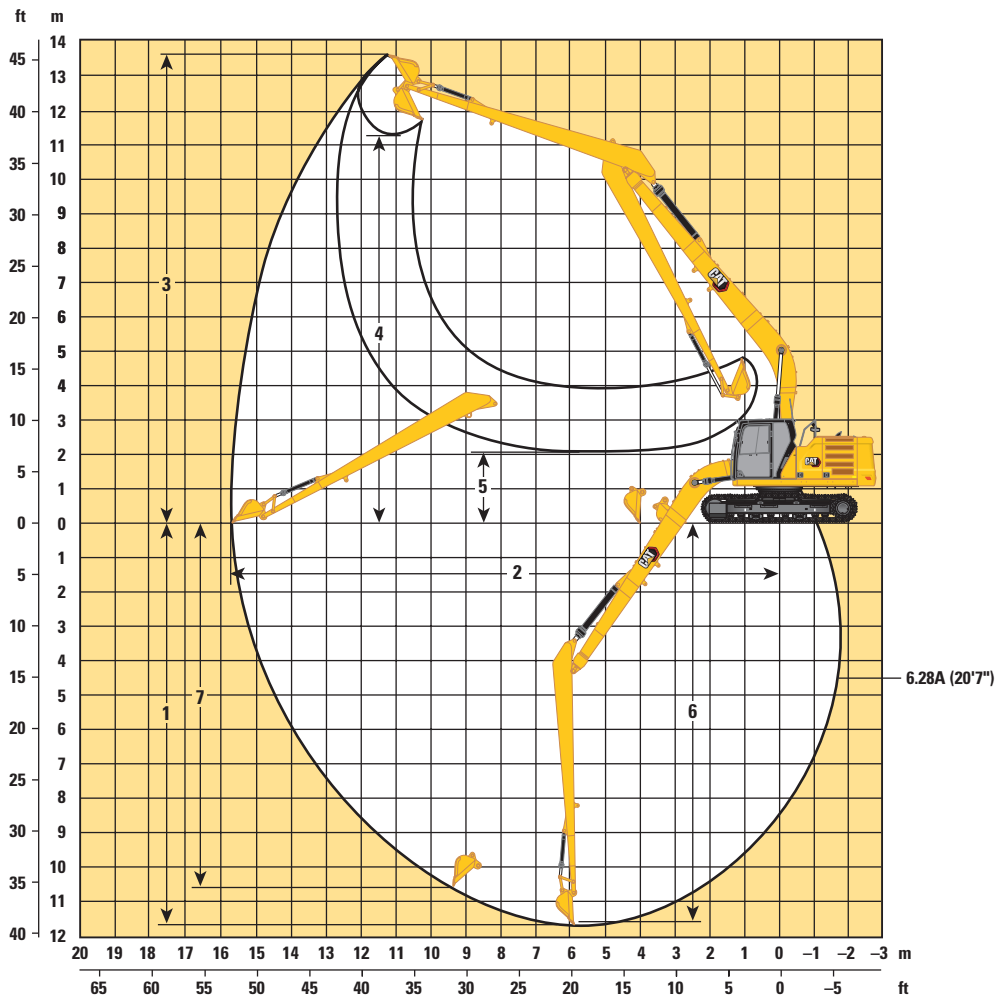
R2.9B1 (9'6")

	Reach Boom 5.7 m (18'8")		Reach Boom 5.7 m (18'8")		HD Reach Boom 5.7 m (18'8")	
	Reach Stick		Reach Stick		HD Thumb Ready Stick	
	R2.9B1 (9'6")		R3.9B1 (12'10")		R2.9B1 (9'6")	
1 Maximum Digging Depth	6620 mm	21'9"	7670 mm	25'2"	6730 mm	22'1"
2 Maximum Reach at Ground Line	9760 mm	32'0"	10 770 mm	35'4"	9870 mm	32'5"
3 Maximum Cutting Height	9330 mm	30'7"	9910 mm	32'6"	9450 mm	31'0"
4 Maximum Loading Height	6590 mm	21'7"	6930 mm	22'9"	6480 mm	21'3"
5 Minimum Loading Height	2270 mm	7'5"	1220 mm	4'0"	2160 mm	7'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6440 mm	21'2"	7530 mm	24'8"	6560 mm	21'6"
7 Maximum Vertical Wall Digging Depth	5360 mm	17'7"	6640 mm	21'9"	5740 mm	18'10"
Bucket Digging Force (ISO)	163 kN	39,977 lbf	140 kN	34,308 lbf	140 kN	34,308 lbf
Stick Digging Force (ISO)	109 kN	26,665 lbf	87 kN	21,416 lbf	107 kN	26,094 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	177 kN	43,404 lbf	152 kN	37,248 lbf	152 kN	37,248 lbf
Stick Digging Force (ISO) – Auto Dig Boost	118 kN	28,950 lbf	95 kN	23,252 lbf	116 kN	28,331 lbf
Bucket Type	HD		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>	1.19 m <sup>3</sup>	1.56 yd <sup>3</sup>
Bucket Tip Radius	1470 mm	4'10"	1570 mm	5'2"	1570 mm	5'2"

# 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")

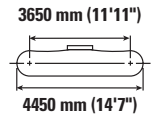
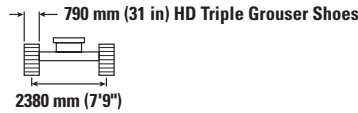
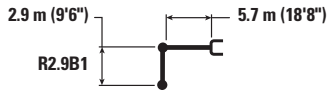
### Stick Options

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)	60 kN	13,549 lbf
Stick Digging Force (ISO)	49 kN	10,935 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"

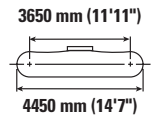
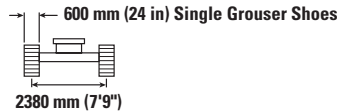
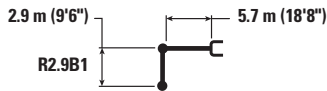
# 323 Hydraulic Excavator Specifications

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5600 12,000	*5650 *12,350	3950 8,500	*3900 *8,600	3600 7,900	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	8100 17,500	*6850 *14,900	5350 11,500	5950 12,750	3850 8,300	*4000 *8,800	3300 7,250	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	7600 16,400	*7800 *16,900	5100 11,000	5800 12,500	3750 8,050	*4250 *9,350	3200 6,950	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	7350 15,800	7900 17,000	4950 10,650	5700 12,300	3650 7,900	*4700 *10,350	3250 7,100	8260 330
-1500 mm -60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 *25,350	7250 15,600	7800 16,800	4850 10,500	5700 12,250	3650 7,850	5450 11,950	3500 7,650	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	14 100 30,150	*10 950 *23,700	7300 15,750	7850 16,900	4900 10,550			6400 14,200	4100 9,050	6950 280
-4500 mm -180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7550 16,250					*6750 *14,850	5600 12,600	5600 220

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	5450 11,700	*5650 *12,350	3850 8,250	*3900 *8,600	3500 7,700	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	7900 17,050	*6850 *14,900	5200 11,200	5750 12,400	3750 8,050	*4000 *8,800	3200 7,000	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	7400 15,950	*7800 *16,900	4950 10,700	5650 12,150	3650 7,850	*4250 *9,350	3100 6,750	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	7100 15,350	7650 16,500	4800 10,350	5550 11,950	3550 7,650	*4700 *10,350	3150 6,900	8260 330
-1500 mm -60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 *25,350	7050 15,150	7600 16,300	4750 10,200	5550 11,900	3550 7,600	5250 11,600	3400 7,450	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 700 29,350	*10 950 *23,700	7100 15,300	7650 16,400	4750 10,250			6200 13,750	3950 8,750	6950 280
-4500 mm -180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7300 15,800					*6750 *14,850	5450 12,250	5600 220



ISO 10567:2007



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

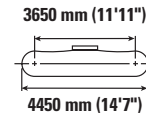
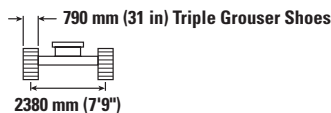
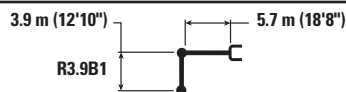
Lift capacity stays with ±5% for all available track shoes.

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



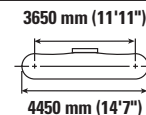
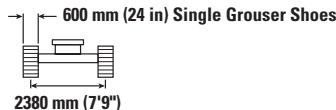
# 323 Hydraulic Excavator Specifications

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in		mm in		
7500 mm 300 in	kg lb													*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb									*4500 *9,600	4050 8,600			*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb									*4750 *10,400	3950 8,450			*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	5350 11,500	*5250 *11,400	3800 8,150	*3850 *7,150	2850 6100	*2800 *6,150	2700 5,950	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	7650 16,450	*6900 *15,000	5050 10,850	5750 12,300	3650 7,850	4350 *8,500	2750 5950	*2950 *6,450	2600 5,750	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	7200 15,450	7750 16,700	4800 10,300	5600 12,000	3500 7,550	*4150 *7,250	2700 5800	*3200 *7,050	2650 5,800	9160 360
-1500 mm -60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	7000 15,000	7600 16,350	4650 10,000	5500 11,800	3450 7,400			*3650 *8,050	2800 6,150	8730 350
-3000 mm -120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	13 400 28,750	*11 200 *24,250	6950 14,950	7550 16,300	4600 9,950	5500 11,800	3450 7,400			*4450 *9,850	3150 7,000	8000 320
-4500 mm -180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	13 700 29,400	*10 100 *21,750	7100 15,250	*7400 *15,800	4700 10,200					*6050 *13,300	3950 8,850	6870 270
-6000 mm -240 in	kg lb					*7150 *7150								*6350 *6350	*6350	4910

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in		mm in		
7500 mm 300 in	kg lb													*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb									*4500 *9,600	3900 8,400			*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb									*4750 *10,400	3850 8,250			*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	7450 16,000	*6900 *15,000	4900 10,550	5550 *11,950	3550 7,600	4200 *8,500	2700 5,750	*2950 *6,450	2550 5,550	9330 370
1500 mm 60 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	7000 15,000	7550 16,200	4650 10,000	5400 11,600	3400 7,300	4150 *7,250	2650 5,650	*3200 *7,050	2550 5,600	9160 360
-1500 mm -60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	6750 14,550	7400 15,850	4500 9,700	5300 11,450	3350 7,150			*3650 *8,050	2700 5,950	8730 350
-3000 mm -120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	13 050 27,900	*11 200 *24,250	6750 14,500	7350 15,800	4500 9,650	5300 11,450	3350 7,150			*4450 *9,850	3050 6,800	8000 320
-4500 mm -180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	13 350 28,550	*10 100 *21,750	6850 14,800	*7400 *15,800	4550 9,850					*6050 *13,300	3850 8,600	6870 270
-6000 mm -240 in	kg lb					*7150 *7150								*6350 *6350	*6350	4910



ISO 10567:2007



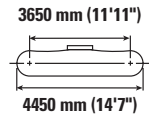
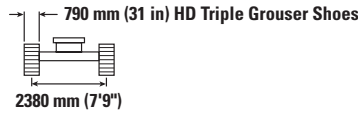
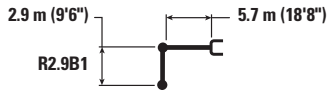
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

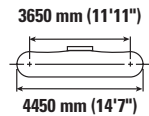
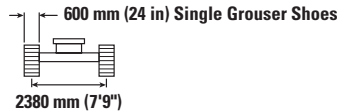
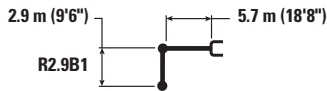
# 323 Hydraulic Excavator Specifications

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	*6000 *13,000	*5650 *12,350	4600 9,850	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,900	6200 13,300	*6000 *13,100	4500 9,650	*4000 *8,800	3850 8,450	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	8800 19,000	*7800 *16,900	5950 12,800	*6450 *14,050	4400 9,450	*4250 *9,350	3700 8,200	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	8550 18,400	*8450 *18,350	5750 12,450	6550 14,050	4300 9,250	*4700 *10,350	3800 8,350	8260 330
-1500 mm -60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 *25,350	8450 18,200	*8650 *18,750	5700 12,300	6500 14,000	4250 9,200	*5500 *12,150	4100 9,000	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	*15 500 *33,600	*10 950 *23,700	8550 18,350	*8150 *17,550	5750 12,350			*6700 *14,750	4750 10,550	6950 280
-4500 mm -180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	8750 18,850					*6750 *14,850	6500 14,600	5600 220

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in	kg lb							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in	kg lb							*6000 *13,000	*6000 *13,000	*5650 *12,350	4500 9,650	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,900	6050 13,000	*6000 *13,100	4400 9,450	*4000 *8,800	3750 8,250	8360 330
1500 mm 60 in	kg lb					*10 550 *22,800	8600 18,550	*7800 *16,900	5800 12,500	6450 13,900	4300 9,200	*4250 *9,350	3650 7,950	8450 340
0 mm 0 in	kg lb			*6600 *15,200	*6600 *15,200	*11 600 *25,050	8350 17,950	*8450 *18,350	5650 12,100	6350 13,700	4200 9,000	*4700 *10,350	3700 8,100	8260 330
-1500 mm -60 in	kg lb	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 *25,350	8250 17,750	*8650 *18,700	5550 11,950	6350 13,650	4150 9,000	*5500 *12,150	4000 8,750	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	*15 500 *33,600	*10 950 *23,700	8300 17,900	*8150 *17,550	5600 12,050			*6700 *14,750	4650 10,300	6950 280
-4500 mm -180 in	kg lb			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	8550 18,400					*6750 *14,850	6350 14,250	5600 220



ISO 10567:2007



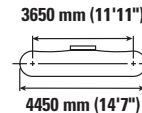
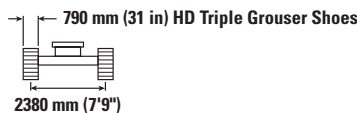
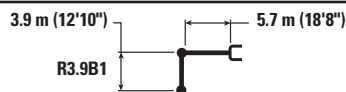
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

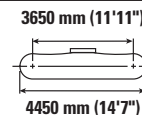
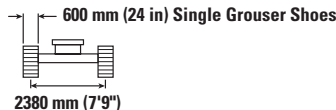
# 323 Hydraulic Excavator Specifications

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb											*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb								*4500 *9,600	*4500 *9,600		*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb								*4750 *10,400	4550 9,800		*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	*5850 *12,700	*5250 *11,400	4450 9,500	*2800 *6,150	*2800 *6,150	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	8850 19,050	*6900 *15,000	5850 12,650	*5800 *12,600	4250 9,200	*2950 *6,450	*2950 *6,450	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	8400 18,050	*7800 *16,900	5,600 12,100	*6300 *13,650	4150 8,900	*3200 *7,050	3150 6,900	9160 360
-1500 mm -60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	8200 17,600	*8300 *18,000	5500 11,800	6300 13,550	4050 8,750	*3650 *8,050	3350 7,300	8730 350
-3000 mm -120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	*14 450 *32,750	*11 200 *24,250	8150 17,550	*8300 *17,900	5450 11,700	6300 13,550	4050 8,750	*4450 *9,850	3750 8,300	8000 320
-4500 mm -180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	*14 600 *31,350	*10 100 *21,750	8300 17,850	*7400 *15,800	5550 11,950			*6050 *13,300	4650 10,400	6870 270
-6000 mm -240 in	kg lb					*7150 *7150						*6350 *6350	*6350 *6350	4910

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



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb											*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in	kg lb								*4500 *9,600	*4500 *9,600		*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in	kg lb								*4750 *10,400	4450 9,600		*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in	kg lb					*7100 *15,250	*7100 *15,250	*5850 *12,700	*5850 *12,700	*5250 *11,400	4300 9,300	*2800 *6,150	*2800 *6,150	9250 370
1500 mm 60 in	kg lb			*9800 *23,300	*9800 *23,300	*9200 *19,800	8650 18,600	*6900 *15,000	5700 12,300	*5800 *12,600	4150 8,950	*2950 *6,450	*2950 *6,450	9330 370
0 mm 0 in	kg lb			*8100 *18,450	*8100 *18,450	*10 700 *23,150	8200 17,600	*7800 *16,900	5500 11,800	6200 13,350	4050 8,650	*3200 *7,050	3050 6,700	9160 360
-1500 mm -60 in	kg lb	*6050 *13,500	*6050 *13,500	*10 400 *23,550	*10 400 *23,550	*11 350 *24,600	7950 17,150	*8300 *18,000	5350 11,500	6100 13,150	3950 8,500	*3650 *8,050	3250 7,100	8730 350
-3000 mm -120 in	kg lb	*9400 *21,100	*9400 *21,100	*14 450 *32,750	*14 450 *32,700	*11 200 *24,250	7950 17,100	*8300 *17,900	5300 11,400	6100 13,200	3950 8,500	*4450 *9,850	3650 8,050	8000 320
-4500 mm -180 in	kg lb	*13 650 *30,750	*13 650 *30,750	*14 600 *31,350	*14 600 *31,350	*10 100 *21,750	8050 17,400	*7400 *15,800	5400 11,650			*6050 *13,300	4550 10,150	6870 270
-6000 mm -240 in	kg lb					*7150 *7150						*6350 *6350	*6350 *6350	4910



ISO 10567:2007



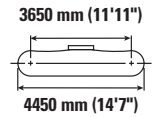
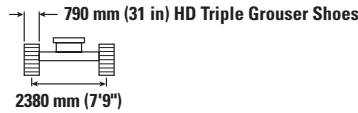
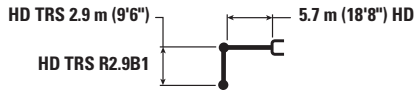
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

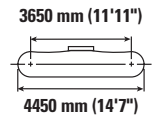
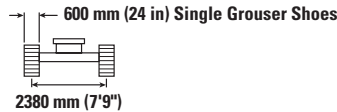
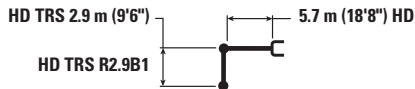
# 323 Hydraulic Excavator Specifications

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



Reach Boom		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm in	
7500 mm 300 in	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in	kg lb							*5250 *11,500	*5250 *11,500			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in	kg lb							*5750 *12,550	*5750 *12,550	*5400 *11,850	4450 9,500	*3850 *8,450	*3850 *8,450	7990 320
3000 mm 120 in	kg lb					*8400 *18,150	*8400 *18,150	*6600 *14,300	6000 12,900	*5750 *12,550	4300 9,300	*3950 *8,600	3650 8,050	8360 330
1500 mm 60 in	kg lb					*10 200 *21,950	8500 18,350	*7500 *16,200	5700 12,300	*6200 *13,450	4200 9,000	*4150 *9,150	3550 7,750	8450 340
0 mm 0 in	kg lb			*6550 *15,050	*6550 *15,050	*11 150 *24,100	8200 17,650	*8150 *17,600	5500 11,850	6350 13,600	4100 8,800	*4600 *10,150	3600 7,900	8260 330
-1500 mm -60 in	kg lb	*7000 *15,650	*7000 *15,650	*11 350 *25,750	*11 350 *25,750	*11 250 *24,350	8100 17,400	*8300 *17,950	5450 11,700	6300 13,550	4050 8,700	*5400 *11,950	3850 8,500	7780 310
-3000 mm -120 in	kg lb	*12 050 *27,000	*12 050 *27,000	*14 900 *32,300	*14 900 *32,300	*10 500 *22,750	8150 17,600	*7800 *16,800	5450 11,800			*6400 *14,050	4550 10,050	6950 280
-4500 mm -180 in	kg lb			*11 850 *25,350	*11 850 *25,350	*8550 *18,150	8400 *18,150					*6450 *14,150	6250 14,050	5600 220

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



Reach Boom		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm in	
7500 mm 300 in	kg lb							*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in	kg lb							*5250 *11,500	*5250 *11,500			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in	kg lb							*5750 *12,550	*5750 *12,550	*5400 *11,850	4350 9,300	*3850 *8,450	*3850 *8,450	7990 320
3000 mm 120 in	kg lb					*8400 *18,150	*8400 *18,150	*6600 *14,300	5850 12,600	*5750 *12,550	4200 9,050	*3950 *8,600	3550 7,850	8360 330
1500 mm 60 in	kg lb					*10 200 *21,950	8300 17,900	*7500 *16,200	5550 12,000	*6200 *13,450	4100 8,750	*4150 *9,150	3450 7,550	8450 340
0 mm 0 in	kg lb			*6550 *15,050	*6550 *15,050	*11 150 *24,100	8000 17,200	*8150 *17,600	5350 11,550	6150 13,250	3950 8,550	*4600 *10,150	3500 7,650	8260 330
-1500 mm -60 in	kg lb	*7000 *15,650	*7000 *15,650	*11 350 *25,750	*11 350 *25,750	*11 250 *24,350	7900 16,950	*8300 *17,950	5300 11,350	6150 13,200	3950 8,500	*5400 *11,950	3750 8,300	7780 310
-3000 mm -120 in	kg lb	*12 050 *27,000	*12 050 *27,000	*14 900 *32,300	*14 900 *32,300	*10 500 *22,750	7950 17,100	*7800 *16,800	5300 11,450			*6400 *14,050	4400 9,800	6950 280
-4500 mm -180 in	kg lb			*11 850 *25,350	*11 850 *25,350	*8550 *18,150	8200 17,700					*6450 *14,150	6100 13,700	5600 220



ISO 10567:2007



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

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

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

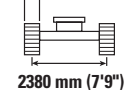
# 323 Hydraulic Excavator Specifications

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

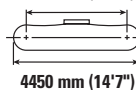
6.28 m (20'7") 8.85 m (29'0")





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	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
12.0 m 40.0 ft												*1450 *3,200	*1450 *3,200	10.35 33.30
10.5 m 35.0 ft												*1350 *2,950	*1350 *2,950	11.66 38.33
9.0 m 30.0 ft												*1300 *2,850	*1300 *2,850	12.66 41.67
7.5 m 25.0 ft												*1250 *2,800	*1250 *2,800	13.41 44.17
6.0 m 20.0 ft												*1250 *2,750	*1250 *2,750	13.97 45.83
4.5 m 15.0 ft												*1300 *2,800	*1300 *2,800	14.34 47.50
3.0 m 10.0 ft			*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	*1300 *2,900	14.55 48.33
1.5 m 5.0 ft					*6750 *15,950	*6750 *15,950	*5250 *11,300	5250 11,300	*4100 *8,850	3900 8,400	*1400 *3,000	*1400 *3,000	*1400 *3,000	14.60 48.33
0 m 0 ft			*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	1350 3,000	14.49 47.50
-1.5 m -5.0 ft	*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	1400 3,050	14.23 46.67
-3.0 m -10.0 ft	*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	1450 3,150	13.79 45.83
-4.5 m -15.0 ft	*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	1550 3,400	13.17 43.33
-6.0 m -20.0 ft	*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	1700 3,750	12.34 40.83
-7.5 m -25.0 ft	*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	2000 4,400	11.24 36.67
-9.0 m -30.0 ft			*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	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)

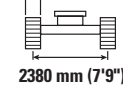
# 323 Hydraulic Excavator Specifications

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

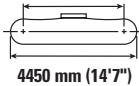
6.28 m (20'7") 8.85 m (29'0")



790 mm (31") HD Triple Grouser Shoes



3650 mm (12'0")



Boom Length m / ft	Unit	9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		SLR Boom		m / ft
		ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	
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.

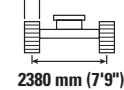
# 323 Hydraulic Excavator Specifications

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

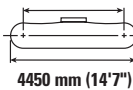
6.28 m (20'7") 8.85 m (29'0")



600 mm (24") Single Grouser Shoes



3650 mm (12'0")



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		SLR Boom		m ft
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
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

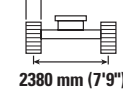
## SLR Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket (continued)

6.28 m (20'7")

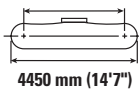














8.85 m (29'0")

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  $\pm 5\%$  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	4.2 mt (9,300 lb) Counterweight		5.4 mt (11,900 lb) Counterweight				
		mm	in	m³	yd³	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, A	900	36	0.53	0.69	403	888	100						○	
Ditch Cleaning	312, A	1200	48	0.57	0.74	386	851	100						○	
Maximum load with pin-on (payload + bucket)									kg	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/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- 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.

Match    
  \* Working range front only    
  † Allowed usage on machine less than 50%    
  No Match    
  1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)    
  1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

### 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
Hydraulic Hammers	H115 GC S	✓	✓	✓	✓	✓
	H120 GC	✓	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓	✓
	H130 GC	✓†		✓†		✓
	H130 GC S	✓†		✓†		✓
	H130 S	✓†	✓	✓†	✓	✓
	Multi-Processors	MP318 Concrete Cutter Jaw	✓	✓	✓	✓
MP318 Demolition Jaw		✓	✓	✓	✓	✓
MP318 Pulverizer Jaw		✓	✓	✓		✓
MP318 Shear Jaw		✓	✓	✓	✓	✓
MP318 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)		
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 GC S	✓	✓	✓	✓	✓
	H120 GC	✓†	✓†	✓†	✓†	✓
	H120 GC S	✓†	✓†	✓†	✓†	✓
	H120 S	✓†	✓†	✓†	✓†	✓
	H130 GC	✓†		✓†		✓
	H130 GC S	✓†		✓†		✓
	H130 S	✓†		✓†		✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓		✓		✓
	MP318 Demolition Jaw	✓		✓		✓
	MP318 Pulverizer Jaw	✓		✓		✓
	MP318 Shear Jaw	✓		✓		✓
	MP318 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)		
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 GC S	✓	✓	✓	✓	✓
	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	HD Reach
Stick Length		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6")	R2.9 TRS (9'6")
Hydraulic Hammers	H115 GC S	✓	✓	✓	✓
	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")	R2.9 (9'6") TRS
Hydraulic Hammers	H115 GC S	✓		✓	✓
	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")	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.

<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
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### 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							✓	✓

# 323 Standard and Optional Equipment

## 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	✓	
OPG		✓	Three selectable power modes	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Auto engine speed control	✓	
Auto bi-level air conditioner	✓		Auto engine idle shutdown	✓	
Jog dial and shortcut keys for monitor control	✓		Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓	
Keyless push-to-start engine control	✓		52° C (125° F) high-ambient cooling capacity	✓	
Height-adjustable console	✓		Cold starting capability for -18° C (0° F)	✓	
Tilt-up left-side console	✓		Cold starting capability for -32° C (-25° 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/Auxiliary 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		✓	Fine swing control	✓	
Washable floor mat	✓		Hammer return filter circuit		✓
Beacon ready	✓		Hydraulic efficiency monitoring		✓
Cat Stick Steer		✓	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)

## 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)*

# 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>CAT TECHNOLOGY</b>			<b>SERVICE AND MAINTENANCE</b>		
Cat Equipment Management:			Scheduled Oil Sampling (S-O-S <sup>SM</sup> ) ports	✓	
– VisionLink <sup>®</sup>	✓ <sup>3</sup>		QuickEvac <sup>™</sup> maintenance ready		✓
– VisionLink Productivity		✓ <sup>4</sup>	Grouped location for engine oil and fuel filters	✓	
– Remote Flash	✓		Ground-level second dipstick for engine oil	✓	
– Remote Troubleshoot	✓		Radiator screen		✓
– Work tool recognition and tracking (PL161)	✓		Integrated vehicle health management system	✓	
– Operator Coaching		✓ <sup>5</sup>	<b>SAFETY AND SECURITY</b>		
Cat Grade:			Cat Command (remote control)		✓
– Cat Grade with 2D	✓ <sup>6</sup>		2D E-Fence: <sup>6</sup>	✓	
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓	– E-ceiling		
– Laser catcher		✓	– E-floor		
– Cat Grade with 3D (single or dual GNSS)		✓	– E-swing		
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓		– E-wall		
– Cat Grade 3D Ready		✓	– E-cab avoidance		
– Cat Grade Connectivity		✓ <sup>4</sup>	Auto hammer stop	✓	
Cat Assist: <sup>6</sup>			Rearview and right-hand-sideview cameras	✓	
– Grade Assist	✓		360° visibility		✓
– Boom Assist	✓		Neutral lever (lock out) for all controls	✓	
– Bucket Assist	✓		Anti-skid plate and countersunk bolts on service platform	✓	
– Swing Assist	✓		Ground-level accessible secondary engine shutoff switch in cab	✓	
– Lift Assist	✓		Lockable disconnect switch	✓	
Cat Payload: <sup>6</sup>			Swing alarm		✓
– On-the-go weighing	✓		RH handrail and handhold	✓	
– Semiautomatic calibration	✓		Travel alarm	✓	
– Payload/cycle information	✓		Inspection lighting		✓
– VisionLink Productivity back office reporting		✓ <sup>4</sup>			
Cat Advanced Payload:					
– Daily totals		✓			
– Custom lists		✓			
– Smart weight target		✓			
– E-ticket Integration		✓ <sup>4</sup>			
Other:					
Cat Tiltrotator (TRS) integration		✓			

<sup>3</sup>Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

<sup>4</sup>VisionLink subscription required. Consult your Cat dealer for details.

<sup>5</sup>VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

<sup>6</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

# 323 Environmental Declaration

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

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

## Engine

- 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 supports reduced fuel consumption for light applications
  - Utilizing Cat technologies can help increase operating efficiencies
  - Extended service intervals help decrease maintenance costs
  - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval

## 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%

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)

AEXQ3985-00 (10-2024)  
Build Number: 07H  
(N Am)

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