



323

Hydraulic Excavator

Technical Specifications

Engine

Engine Model	Cat® C7.1 ACERT™	
Net Power (ISO 9249)	121 kW	162 hp
Net Power (SAE J1349)	121 kW	162 hp
Gross Power (ISO 14396/SAE J1995)	122 kW	164 hp
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in ³

- The 323 meets U.S. EPA Tier 4 Final emission standards.
- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842.5 ft).
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- Rating at 1,800 rpm.

Engine rpm

Operation	1,650 rpm
Travel	1,800 rpm

Swing Mechanism

Swing Speed	11.25 rpm
Maximum Swing Torque	74 kN·m 54,440 lbf-ft

Weights

Operating Weight	25 100 kg	55,336 lb
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- Reach boom, R2.9 (9'6") Reach stick, HD 1.38 m³ (1.81 yd³) bucket and 790 mm (31 in) HD shoes.

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

Maximum 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)
Swing System – Maximum Flow	No swing pump	
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	26 800 kPa	3,886 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

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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)	5 L	1.3 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
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/FOGS ISO 10262:1998

Cab/ROPS ISO 12117-2:2008

Operating Weights and Ground Pressures

	600 mm (24 in) Single Grouser Shoes				790 mm (31 in) HD Triple Grouser Shoes			
	Weight		Ground Pressure		Weight		Ground Pressure	
	kg	lb	kPa	psi	kg	lb	kPa	psi
5.4 mt (11,900 lb) Counterweight + Base Machine								
Reach Boom + R2.9 (9'6") Reach Stick + 1.30 m ³ (1.70 yd ³) HD Bucket	24 000	52,900	49.9	7.2	24 700	54,500	39.0	5.7

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

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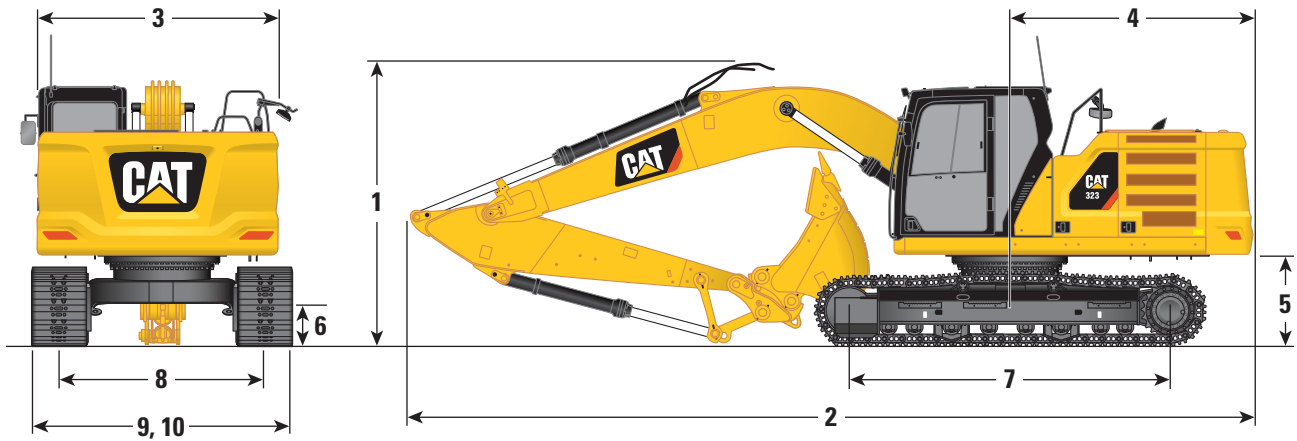
Major Component Weights

	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, with boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 930	32,915
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, with boom cylinder – 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 for Long Undercarriage	3090	6,800
790 mm (31 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes for Long Undercarriage with Step Extension for ISO 2867	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 for Thumb Ready Reach Stick	5400	11,900
Swing Frame:		
Semi-HD Swing Frame, for C7.1 ACERT	1910	4,210
HD Swing Frame, for C7.1 ACERT for Thumb Ready Reach Stick	2090	4,600
Long Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Long Undercarriage	4420	9,700
HD Base Frame with SD Track Rollers and Standard Carrier Rollers for Long Undercarriage	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
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R3.9B1/12'10")	1300	2,900
Reach Stick (R2.9B1/9'6")	990	2,200
HD Thumb Ready Reach Stick (R2.9B1/9'6")	1300	2,900
Buckets (without linkage):		
1.30 m ³ (1.70 yd ³) HD	960	2,120
1.30 m ³ (1.70 yd ³) GD	810	1,780
1.19 m ³ (1.56 yd ³) GD	770	1,700
1.19 m ³ (1.56 yd ³) HD	930	2,050
1.38 m ³ (1.81 yd ³) HD	1010	2,220
Quick Couplers:		
Pin Grabber QC	390	850

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Dimensions

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



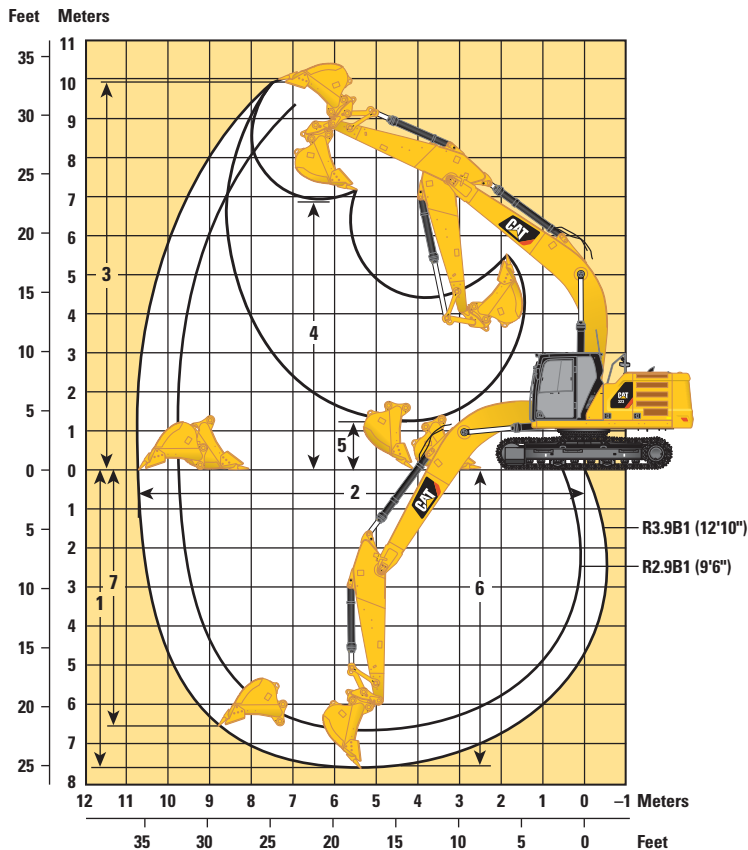
Boom Options	Reach* Boom 5.7 m (18'8")		Reach Boom 5.7 m (18'8")	
Stick Options	Reach* Stick R2.9B1 (9'6")		Reach Stick R3.9B1 (12'10")	
1 Machine Height:				
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"
Top of FOGS Height	3100 mm	10'2"	3100 mm	10'2"
Handrails Height	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3470 mm	11'5"
With Boom/Stick Installed	2910 mm	9'7"	3190 mm	10'6"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"
2 Machine Length:				
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9500 mm	31'2"
With Boom/Stick Installed	9500 mm	31'2"	9530 mm	31'3"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"
3 Upperframe Width without Walkways	2780 mm	9'1"	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"
6 Ground Clearance	470 mm	1'7"	470 mm	1'7"
7 Track Length – Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"
8 Track Gauge – Extended	2380 mm	7'9"	2380 mm	7'9"
9 Track Width:				
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"
10 Undercarriage Width (with steps/without steps):				
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"
790 mm (31 in) Shoes	3170 mm	10'5"	3170 mm	10'5"
Bucket Type	HD		HD	
Bucket Capacity	1.14 m ³	1.50 yd ³	1.30 m ³	1.70 yd ³
Bucket Tip Radius	1470 mm	4'10"	1580 mm	5'2"

*Reach has same data as HD Reach.

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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")

Stick Options

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

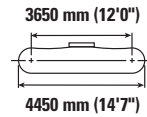
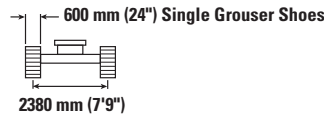
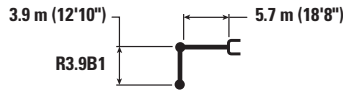
Reach Stick
R3.9B1 (12'10")

	6620 mm	21'9"	7670 mm	25'2"
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 (SAE)	143 kN	35,101 lbf	124 kN	30,383 lbf
Bucket Digging Force (ISO)	163 kN	39,977 lbf	140 kN	34,308 lbf
Stick Digging Force (SAE)	105 kN	25,773 lbf	85 kN	20,926 lbf
Stick Digging Force (ISO)	109 kN	26,665 lbf	87 kN	21,416 lbf
Bucket Type	HD		HD	
Bucket Capacity	1.14 m ³	1.50 yd ³	1.30 m ³	1.70 yd ³
Bucket Tip Radius	1470 mm	4'10"	1580 mm	5'2"

*Reach has same data as HD Reach.

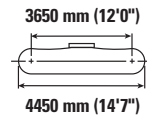
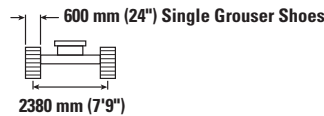
323 Hydraulic Excavator Specifications

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



Reach Boom	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		
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
7500 mm 300 in													*2700 *6,000	*2700 *6,000	7320 290
6000 mm 240 in									*4050 *8,750	3900 8,400			*2550 *5,600	*2550 *5,600	8300 330
4500 mm 180 in									*4300 *9,350	3850 8,250			*2500 *5,500	*2500 *5,500	8920 350
3000 mm 120 in					*6400 *13,850	*6400 *13,850	*5300 *11,450	5200 11,200	*4700 *10,250	3700 7,950	*3500 *6,500	2750 5,900	*2550 *5,600	*2550 *5,600	9250 370
1500 mm 60 in			*9250 *22,000	*9250 *22,000	*8300 *17,900	7450 16,000	*6250 *13,500	4900 10,550	*5250 *11,350	3550 7,600	*4050 *7,750	2700 5,750	*2700 *5,850	2550 5,550	9330 370
0 mm 0 in			*7600 *17,400	*7600 *17,400	*9650 *20,900	7000 15,000	*7050 *15,250	4650 10,000	5400 11,600	3400 7,300	*3800 *6,600	2650 5,650	*2900 *6,400	2550 5,600	9160 360
-1500 mm -60 in	kg lb	*5700 *12,700	*5700 *12,700	*9800 *22,250	*9800 *22,250	*10 300 *22,250	6750 14,550	7400 15,850	4500 9,700	5300 11,450	3350 7,150		*3300 *7,300	2700 5,950	8730 350
-3000 mm -120 in	kg lb	*8900 *19,900	*8900 *19,900	*13 650 *30,950	13 050 27,900	*10 150 *21,900	6750 14,500	7350 15,800	4500 9,650	5300 11,450	3350 7,150		*4050 *9,000	3050 6,800	8000 320
-4500 mm -180 in	kg lb	*12 900 *29,050	*12 900 *29,050	*13 150 *28,300	*13 150 *28,300	*9150 *19,600	6850 14,800	*6700 *14,250	4550 9,850				*5450 *12,000	3850 8,600	6870 270
-6000 mm -240 in	kg lb					*6450 *6450							*5700 *5700		4910

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



Reach Boom	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		
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
7500 mm 300 in													*3000 *6,600	*3000 *6,600	7320 290
6000 mm 240 in									*4500 *9,600	3900 8,400			*2800 *6,150	*2800 *6,150	8300 330
4500 mm 180 in									*4750 *10,400	3850 8,250			*2750 *6,050	*2750 *6,050	8920 350
3000 mm 120 in					*7100 *15,250	*7100 *15,250	*5850 *12,700	5200 11,200	*5250 *11,400	3700 7,950	*3850 *7,150	2750 5,900	*2800 *6,150	2650 5,800	9250 370
1500 mm 60 in			*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
0 mm 0 in			*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		4910



ISO 10567



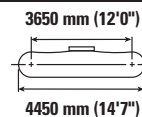
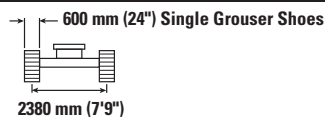
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

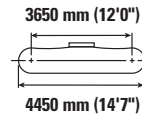
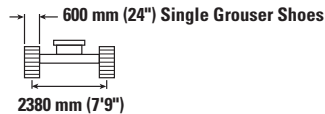
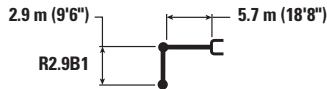
323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4550	*4550			*3950 *8,750	*3950 *8,750	6150 240
6000 mm 240 in								*4950	*4950			*3650 *8,050	*3650 *8,050	7290 290
4500 mm 180 in								*5450	*5450	*5100	3850	*3600	3500	7990 320
3000 mm 120 in						*7900	7900	*6250	5200	*5450	3750	*3650	3200	8360 330
1500 mm 60 in						*9600	7400	*7050	4950	5650	3650	*3900	3100	8450 340
0 mm 0 in				*6250	*6250	*10 500	7100	*7650	4800	5550	3550	*4300	3150	8260 330
-1500 mm -60 in		*6700 *14,900	*6700 *14,900	*10 800	*10 800	*10 600	7050	7600	4750	5550	3550	*5050	3400	7780 310
-3000 mm -120 in		*11 450 *25,650	*11 450 *25,650	*14 050	13 700	*9950	7100	*7400	4750			*6050	3950	6950 280
-4500 mm -180 in				*11 200	*11 200	*8050	7300					*6100	5450	5600 220

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Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in								*5450	*5450			*4000	*4000	7290 290
4500 mm 180 in								*6000	5450	*5650	3850	*3900	3500	7990 320
3000 mm 120 in						*8700	7900	*6850	5200	5750	3750	*4000	3200	8360 330
1500 mm 60 in						*10 550	7400	*7800	4950	5650	3650	*4250	3100	8450 340
0 mm 0 in				*6600	*6600	*11 600	7100	7650	4800	5550	3550	*4700	3150	8260 330
-1500 mm -60 in		*7100 *15,800	*7100 *15,800	*11 400	*11 400	*11 700	7050	7600	4750	5550	3550	5250	3400	7780 310
-3000 mm -120 in		*12 100 *27,150	*12 100 *27,150	*15 500	13 700	*10 950	7100	7650	4750			6200	3950	6950 280
-4500 mm -180 in				*12 400	*12 400	*8950	7300					*6750	5450	5600 220



ISO 10567



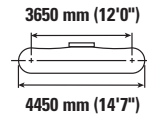
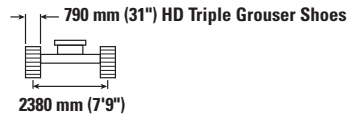
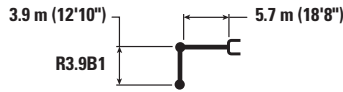
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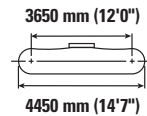
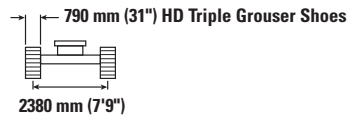
323 Hydraulic Excavator Specifications

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



Reach Boom	Unit	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	
7500 mm 300 in	kg lb											*2700 *6,000	*2700 *6,000	7320 290
6000 mm 240 in	kg lb									*4050 *8,750	*4050 *8,750	*2550 *5,600	*2550 *5,600	8300 330
4500 mm 180 in	kg lb									*4300 *9,350	*4300 *9,350	*2500 *5,500	*2500 *5,500	8920 350
3000 mm 120 in	kg lb					*6400 *13,850	*6400 *13,850	*5300 *11,450	*5300 *11,450	*4700 *10,250	4450 9,500	*2550 *5,600	*2550 *5,600	9250 370
1500 mm 60 in	kg lb			*9250 *22,000	*9250 *22,000	*8300 *17,900	*8300 *17,900	*6250 *13,500	5850 12,650	*5250 *11,350	4250 9,200	*2700 *5,850	*2700 *5,850	9330 370
0 mm 0 in	kg lb			*7600 *17,400	*7600 *17,400	*9650 *20,900	8400 18,050	*7050 *15,250	5600 12,100	*5700 *12,300	4150 8,900	*2900 *6,400	*2900 *6,400	9160 360
-1500 mm -60 in	kg lb	*5700 *12,700	*5700 *12,700	*9800 *22,250	*9800 *22,250	*10 300 *22,250	8200 17,600	*7500 *16,250	5500 11,800	*5950 *12,800	4050 8,750	*3300 *7,300	*3300 *7,300	8730 350
-3000 mm -120 in	kg lb	*8900 *19,900	*8900 *19,900	*13 650 *30,950	*13 650 *30,950	*10 150 *21,900	8150 17,550	*7450 *16,150	5450 11,700	*5750 *12,350	4050 8,750	*4050 *9,000	3750 8,300	8000 320
-4500 mm -180 in	kg lb	*12 900 *29,050	*12 900 *29,050	*13 150 *28,300	*13 150 *28,300	*9150 *19,600	8300 17,850	*6700 *14,250	5550 11,950			*5450 *12,000	4650 10,400	6870 270
-6000 mm -240 in	kg lb					*6450 *14,250	*6450 *14,250					*5700 *12,500	*5700 *12,500	4910

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



Reach Boom	Unit	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	
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	5600 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 *15,750	*7150 *15,750					*6350 *14,000	*6350 *14,000	4910



ISO 10567



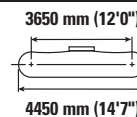
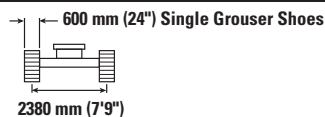
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

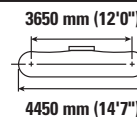
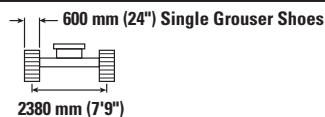
323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb											*2700 *6,000	*2700 *6,000	7320 290
6000 mm 240 in	kg lb									*4050 *8,750	*4050 *8,750	*2550 *5,600	*2550 *5,600	8300 330
4500 mm 180 in	kg lb									*4300 *9,350	*4300 *9,350	*2500 *5,500	*2500 *5,500	8920 350
3000 mm 120 in	kg lb					*6400 *13,850	*6400 *13,850	*5300 *11,450	*5300 *11,450	*4700 *10,250	4300 9,300	*2550 *5,600	*2550 *5,600	9250 370
1500 mm 60 in	kg lb			*9250 *22,000	*9250 *22,000	*8300 *17,900	*8300 *17,900	*6250 *13,500	5700 12,300	*5250 *11,350	4150 8,950	*2700 *5,850	*2700 *5,850	9330 370
0 mm 0 in	kg lb			*7600 *17,400	*7600 *17,400	*9650 *20,900	8200 17,600	*7050 *15,250	5500 11,800	*5700 *12,300	4050 8,650	*2900 *6,400	*2900 *6,400	9160 360
-1500 mm -60 in	kg lb	*5700 *12,700	*5700 *12,700	*9800 *22,250	*9800 *22,250	*10 300 *22,250	7950 17,150	*7500 *16,250	5350 11,500	*5950 *12,800	3950 8,500	*3300 *7,300	3250 7,100	8730 350
-3000 mm -120 in	kg lb	*8900 *19,900	*8900 *19,900	*13 650 *30,950	*13 650 *30,950	*10 150 *21,900	7950 17,100	*7450 *16,150	5300 11,400	*5750 *12,350	3950 8,500	*4050 *9,000	3650 8,050	8000 320
-4500 mm -180 in	kg lb	*12 900 *29,050	*12 900 *29,050	*13 150 *28,300	*13 150 *28,300	*9150 *19,600	8050 17,400	*6700 *14,250	5400 11,650			*5450 *12,000	4550 10,150	6870 270
-6000 mm -240 in	kg lb					*6450 *14,250	*6450 *14,250					*5700 *12,500	*5700 *12,500	4910

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in	kg lb											*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 *20,450	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 *32,750	*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 *15,750	*7150 *15,750					*6350 *14,000	*6350 *14,000	4910



ISO 10567



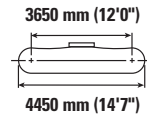
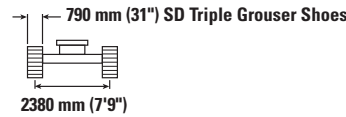
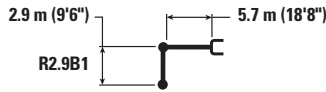
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Lift capacity stays with ±5% for all available track shoes.

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

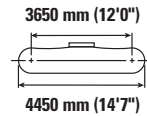
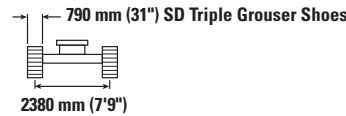
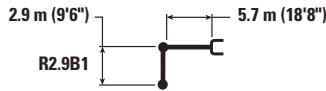
323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4550	*4550			*3950 *8,750	*3950 *8,750	6150 240
6000 mm 240 in								*4950 *10,850	*4950 *10,850			*3650 *8,050	*3650 *8,050	7290 290
4500 mm 180 in								*5450 *11,800	*5450 *11,800	*5100 9,850	4600	*3600 *7,900	*3600 *7,900	7990 320
3000 mm 120 in						*7900 *17,050	*7900 *17,050	*6250 *13,500	6200 13,300	*5450 *11,850	4500 9,650	*3650 *8,050	*3650 *8,050	8360 330
1500 mm 60 in						*9600 *20,650	8800 19,000	*7050 *15,300	5950 12,800	*5850 *12,700	4400 9,450	*3900 *8,550	3700 8,200	8450 340
0 mm 0 in				*6250 *14,350	*6250 *14,350	*10 500 *22,700	8550 18,400	*7650 *16,600	5750 12,450	*6150 *13,300	4300 9,250	*4300 *9,450	3800 8,350	8260 330
-1500 mm -60 in		*6700 *14,900	*6700 *14,900	*10 800 *24,450	*10 800 *24,450	*10 600 *22,950	8450 18,200	*7850 *16,950	5700 12,300	*6100 *13,200	4250 9,200	*5050 *11,100	4100 9,000	7780 310
-3000 mm -120 in		*11 450 *25,650	*11 450 *25,650	*14 050 *30,450	*14 050 *30,450	*9950 *21,450	8550 18,350	*7400 *15,850	5750 12,350			*6050 *13,300	4750 10,550	6950 280
-4500 mm -180 in				*11 200 *24,000	*11 200 *24,000	*8050 *17,150	*8050 *17,150					*6100 *13,400	*6100 *13,400	5600 220

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in								*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in								*6000 *13,000	*6000 *13,000	*5650 *12,350	4600 9,850	*3900 *8,600	*3900 *8,600	7990 320
3000 mm 120 in						*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						*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				*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		*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		*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				*12 400 *26,550	*12 400 *26,550	*8950 *19,000	8750 18,850					*6750 *14,850	6500 14,600	5600 220



ISO 10567



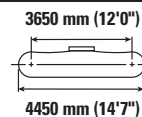
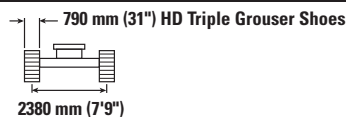
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Lift capacity stays with ±5% for all available track shoes.

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

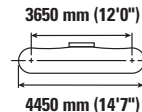
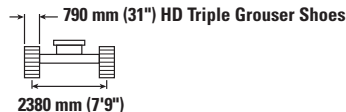
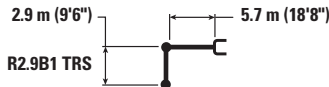
323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4500	*4500			*3850 *8,600	*3850 *8,600	6150 240
6000 mm 240 in								*4750 *10,400	*4750 *10,400			*3600 *7,900	*3600 *7,900	7290 290
4500 mm 180 in								*5200 *11,300	*5200 *11,300	*4900 *10,700	4450 9,500	*3500 *7,700	*3500 *7,700	7990 320
3000 mm 120 in						*7600 *16,400	*7600 *16,400	*5950 *12,900	*5950 *12,900	*5200 *11,300	4300 9,300	*3600 *7,850	*3600 *7,850	8360 330
1500 mm 60 in						*9200 *19,850	8500 18,350	*6750 *14,650	5700 12,300	*5600 *12,100	4200 9,000	*3800 *8,350	3550 7,750	8450 340
0 mm 0 in				*6200 *14,200	*6200 *14,200	*10 050 *21,800	8200 17,650	*7350 *15,850	5500 11,850	*5850 *12,700	4100 8,800	*4200 *9,250	3600 7,900	8260 330
-1500 mm -60 in		*6600 *14,750	*6600 *14,750	*10 700 *24,350	*10 700 *24,350	*10 150 *22,000	8100 17,400	*7500 *16,200	5450 11,700	*5850 *12,550	4050 8,700	*4950 *10,900	3850 8,500	7780 310
-3000 mm -120 in		*11 350 *25,500	*11 350 *25,500	*13 450 *29,150	*13 450 *29,150	*9500 *20,500	8150 17,600	*7050 *15,100	5450 11,800			*5750 *12,650	4550 10,050	6950 280
-4500 mm -180 in				*10 650 *22,800	*10 650 *22,800	*7650 *16,300	*7650 *16,300					*5750 *12,650	*5750 *12,650	5600 220

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in								*5250 *11,500	*5250 *11,500			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in								*5750 *12,550	*5750 *12,550	*5400 *11,850	4450 9,500	*3850 *8,450	*3850 *8,450	7990 320
3000 mm 120 in						*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						*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				*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		*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		*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				*11 850 *25,350	*11 850 *25,350	*8550 *18,150	8400 *18,150					*6450 *14,150	6250 14,050	5600 220



ISO 10567



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

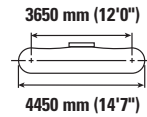
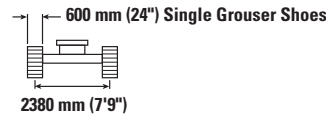
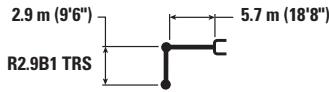
Lift capacity stays with ±5% for all available track shoes.

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

TRS = Thumb Ready Stick

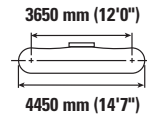
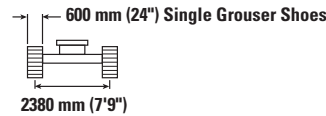
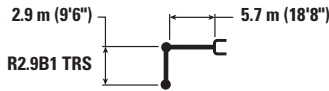
323 Hydraulic Excavator Specifications

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4500	*4500			*3850 *8,600	*3850 *8,600	6150 240
6000 mm 240 in								*4750 *10,400	*4750 *10,400			*3600 *7,900	*3600 *7,900	7290 290
4500 mm 180 in								*5200 *11,300	*5200 *11,300	*4900 *10,700	4350 9,300	*3500 *7,700	*3500 *7,700	7990 320
3000 mm 120 in						*7600 *16,400	*7600 *16,400	*5950 *12,900	5850 12,600	*5200 *11,300	4200 9,050	*3600 *7,850	3550 7,850	8360 330
1500 mm 60 in						*9200 *19,850	8300 17,900	*6750 *14,650	5550 12,000	*5600 *12,100	4100 8,750	*3800 *8,350	3450 7,550	8450 340
0 mm 0 in				*6200 *14,200	*6200 *14,200	*10 050 *21,800	8000 17,200	*7350 *15,850	5350 11,550	*5850 *12,700	3950 8,550	*4200 *9,250	3500 7,650	8260 330
-1500 mm -60 in		*6600 *14,750	*6600 *14,750	*10 700 *24,350	*10 700 *24,350	*10 150 *22,000	7900 16,950	*7500 *16,200	5300 11,350	*5850 *12,550	3950 8,500	*4950 *10,900	3750 8,300	7780 310
-3000 mm -120 in		*11 350 *25,500	*11 350 *25,500	*13 450 *29,150	*13 450 *29,150	*9500 *20,500	7950 17,100	*7050 *15,100	5300 11,450			*5750 *12,650	4400 9,800	6950 280
-4500 mm -180 in				*10 650 *22,800	*10 650 *22,800	*7650 *16,300	*7650 *16,300					*5750 *12,650	*5750 *12,650	5600 220

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



Reach mm in	kg lb	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
7500 mm 300 in								*4900	*4900			*4250 *9,400	*4250 *9,400	6150 240
6000 mm 240 in								*5250 *11,500	*5250 *11,500			*3900 *8,650	*3900 *8,650	7290 290
4500 mm 180 in								*5750 *12,550	*5750 *12,550	*5400 *11,850	4350 9,300	*3850 *8,450	*3850 *8,450	7990 320
3000 mm 120 in						*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						*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				*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		*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		*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				*11 850 *25,350	*11 850 *25,350	*8550 *18,150	8200 17,700					*6450 *14,150	6100 13,700	5600 220



ISO 10567



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

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

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

TRS = Thumb Ready Stick

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 ³	yd ³	kg	lb		%	Reach Boom		HD Reach Boom
										R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS
Pin-On (No Quick Coupler)												
General Duty – Capacity (GDC)	B	600	24	0.55	0.72	619	1,363	100	●	●	●	
	B	750	30	0.75	0.98	710	1,566	100	●	●	●	
	B	900	36	0.95	1.24	787	1,735	100	●	⊙	●	
	B	1050	42	1.16	1.52	848	1,870	100	●	⊖	●	
	B	1200	48	1.38	1.80	926	2,041	100	⊖	○	⊙	
	B	1350	54	1.59	2.08	1004	2,213	100	X	X	⊖	
General Duty – Capacity (GDC) – Wide Tip	B	600	24	0.55	0.72	633	1,394	100	●	●	●	
	B	750	30	0.75	0.98	731	1,612	100	●	●	●	
	B	900	36	0.95	1.24	813	1,793	100	●	⊙	●	
	B	1050	42	1.16	1.52	895	1,973	100	⊙	○	●	
	B	1200	48	1.38	1.80	979	2,158	100	⊖	◇	⊙	
	B	1350	54	1.59	2.08	1063	2,343	100	X	X	⊖	
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,431	100	●	●	●	
	B	750	30	0.64	0.84	748	1,649	100	●	●	●	
	B	900	36	0.81	1.06	826	1,821	100	●	●	●	
	B	1050	42	1.00	1.31	880	1,940	100	●	⊖	●	
	B	1200	48	1.19	1.56	972	2,141	100	⊙	X	●	
	B	1350	54	1.38	1.81	1054	2,322	100	X	X	X	
Heavy Duty – Power (HDP)	B	900	36	0.79	1.03	842	1,856	100	●	●	●	
	B	1050	42	0.96	1.26	907	1,999	100	●	⊖	●	
	B	1200	48	1.14	1.49	993	2,188	100	X	X	X	
Severe Duty (SD)	B	600	24	0.46	0.61	694	1,530	90	●	●	●	
	B	750	30	0.64	0.84	802	1,768	90	●	●	●	
	B	900	36	0.81	1.06	889	1,959	90	●	●	●	
	B	1050	42	1.00	1.31	964	2,125	90	●	⊙	●	
	B	1200	48	1.19	1.56	1053	2,320	90	●	X	●	
Severe Duty – Power (SDP)	B	900	36	0.79	1.03	908	2,001	90	●	●	●	
Mud/Cleanup (M/CU)	B	1700	72	1.60	2.09	979	2,158	100	○	◇	⊖	
Ditch Cleaning (DC)	B	1500	60	1.01	1.32	652	1,437	100	●	⊙	●	
	B	1800	72	1.24	1.62	740	1,631	100	⊙	⊖	●	
Ditch Cleaning – Tilt (DCT)	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	1148	2,531	100	⊖	◇	⊙	
	B	2000	79	1.23	1.61	1132	2,496	100	⊖	◇	⊙	
General Duty (GD)	312	900	36	0.53	0.69	403	888	100				
Ditch Cleaning (DC) Long Reach	312	1200	48	0.57	0.74	386	851	100				
Maximum load with pin-on (payload + bucket)								kg	3100	2445	2840	
								lb	6,834	5,390	6,261	

The above loads are in compliance with hydraulic excavator standard EN474, 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.

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.

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 ³	yd ³	kg	lb		%	Reach Boom		HD Reach Boom
										R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") HD TRS
With Cat Pin Grabber Coupler												
General Duty – Capacity (GDC)	B	600	24	0.55	0.72	619	1,363	100	●	●	●	
	B	750	30	0.75	0.98	710	1,566	100	●	⊙	●	
	B	900	36	0.95	1.24	787	1,735	100	●	○	●	
	B	1050	42	1.16	1.52	848	1,870	100	⊖	◇	⊙	
	B	1200	48	1.38	1.80	926	2,041	100	○	◇	⊖	
	B	1350	54	1.59	2.08	1004	2,213	100	◇	X	○	
General Duty – Capacity (GDC) – Wide Tip	B	600	24	0.55	0.72	633	1,394	100	●	●	●	
	B	750	30	0.75	0.98	731	1,612	100	●	⊙	●	
	B	900	36	0.95	1.24	813	1,793	100	●	○	●	
	B	1050	42	1.16	1.52	895	1,973	100	⊖	◇	⊙	
	B	1200	48	1.38	1.80	979	2,158	100	○	X	⊖	
	B	1350	54	1.59	2.08	1063	2,343	100	◇	X	○	
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,431	100	●	●	●	
	B	750	30	0.64	0.84	748	1,649	100	●	●	●	
	B	900	36	0.81	1.06	826	1,821	100	●	⊖	●	
	B	1050	42	1.00	1.31	880	1,940	100	⊙	○	●	
	B	1200	48	1.19	1.56	972	2,141	100	⊖	◇	⊙	
	B	1350	54	1.38	1.81	1054	2,322	100	○	X	⊖	
Heavy Duty – Power (HDP)	B	900	36	0.79	1.03	842	1,856	100	●	⊖	●	
	B	1050	42	0.96	1.26	907	1,999	100	⊙	○	●	
	B	1200	48	1.14	1.49	993	2,188	100	⊖	◇	⊙	
Heavy Duty – Pin Grabber Performance (HD – PGP)	B	600	24	0.44	0.57	676	1,491	100	●	●	●	
	B	750	30	0.60	0.79	778	1,715	100	●	●	●	
	B	900	36	0.76	1.00	864	1,904	100	●	⊖	●	
	B	1050	42	0.93	1.22	928	2,045	100	⊙	○	●	
	B	1200	48	1.11	1.45	1016	2,239	100	⊖	◇	⊙	
	B	1350	54	1.28	1.67	1104	2,432	100	○	X	⊖	
Severe Duty (SD)	B	600	24	0.46	0.61	694	1,530	90	●	●	●	
	B	750	30	0.64	0.84	802	1,768	90	●	●	●	
	B	900	36	0.81	1.06	889	1,959	90	●	⊖	●	
	B	1050	42	1.00	1.31	964	2,125	90	●	○	●	
	B	1200	48	1.19	1.56	1053	2,320	90	⊖	◇	⊙	
Severe Duty – Power (SDP)	B	900	36	0.79	1.03	908	2,001	90	●	⊖	●	
Mud/Cleanup (M/CU)	B	1700	72	1.60	2.09	979	2,158	100	◇	X	○	
Ditch Cleaning (DC)	B	1500	60	1.01	1.32	652	1,437	100	●	⊖	●	
	B	1800	72	1.24	1.62	740	1,631	100	⊖	◇	⊙	
Ditch Cleaning – Tilt (DCT)	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	1148	2,531	100	○	X	○	
	B	2000	79	1.23	1.61	1132	2,496	100	○	X	⊖	
Maximum load with coupler (payload + bucket)								kg	2678	2023	2418	
								lb	5,905	4,461	5,332	

The above loads are in compliance with hydraulic excavator standard EN474, 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.

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.

323 Hydraulic Excavator Specifications

Work Tool Offering Guide*

Boom Type	Stick Size	Reach Boom		HD Reach Boom
		R2.9 (9'6")	R3.9 (12'10")	R2.9 (9'6") TRS
Hydraulic Hammer	B20	50% C	50% C	
	H120Es	50% C	50% C	
	H130Es	50% P	**	
Multi-Processor	MP318 CC Jaw		**	
	MP318 D Jaw		**	
	MP318 P Jaw		**	
	MP318 U Jaw		**	
	MP318 S Jaw		**	
Pulverizer	P215		**	
Demolition and Sorting Grapple	G315B-D/R		**	
	G320B-D/R	** , ##		**
	G315B-WH		**	
Scrap and Demolition Shear	S320B		**	
	S325B	#	#	#
	S2050	#	#	#
Compactor (Vibratory Plate)	CVP110			
Orange Peel Grapple				
Trash Grapple				
Thumbs				
Rakes				
Pin Grabber Coupler	Cat PG			

These work tools are available for the 323.
Consult your Cat dealer for proper match.

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

- Match
- ** Match; Pin-On only
- # Match; Boom Mount

Work over the front only

50% P Allowed usage with Pin-On and Coupler on machine less than 50%

50% C Allowed usage with Coupler on machine less than 50%

Demolition and Sorting Grapple: D – Demolition shells, R – Recycling shells, WH – Waste Handling shells

TRS = Thumb Ready Stick

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
ENGINE			UNDERCARRIAGE AND STRUCTURES		
C7.1 ACERT single turbo Tier 4 Final diesel engine	✓		Tie-down points on base frame (ISO 15818 compliant)	✓	
Three selectable power modes	✓		Track guiding guard, segmented two pieces	✓	
One-touch low idle with automatic engine speed control	✓		Standard bottom guards	✓	
Automatic engine idle shutdown	✓		Heavy-duty bottom guard		✓
Work up to 3000 m (9,842.5 ft) above sea level without engine power de-rating	✓		Standard swivel guard		✓
46° C (115° F) high-ambient cooling capacity		✓	Standard travel motor guards	✓	
52° C (125° F) high-ambient cooling capacity	✓		Heavy-duty travel motor guards		✓
Cold starting capability for -18° C (0° F)	✓		Grease lubricated track links	✓	
Cold starting capability for -32° C (-25° F)		✓	4200 kg (9,260 lb) counterweight		✓
Double element air filter with integrated precleaner	✓		5400 kg (11,900 lb) counterweight	✓	
Electric fuel priming pump	✓		Semi-HD swing frame	✓	
Reversible electric cooling fans	✓		HD swing frame	✓	
Biodiesel capability up to B20	✓		Standard swing bearing		✓
HYDRAULIC SYSTEM			HD swing bearing		✓
Boom and stick regeneration circuits	✓		HD base frame with SD track rollers and standard carrier rollers	✓	
Boom/stick lowering check valves (BLCV/SLCV)		✓	SD base frame with SD track rollers and SD carrier rollers for long undercarriage		✓
Heavy lift configuration		✓	Base frame with HD track rollers and standard carrier rollers	✓	
Electronic main control valve	✓		Final drive with standard travel motor	✓	
Auto warm up	✓		BOOMS, STICKS AND LINKAGES		
Automatic two-speed travel	✓		600 mm (24 in) SD triple grouser track shoes		✓
Boom and stick drift reduction valve	✓		790 mm (31 in) HD triple grouser track shoes	✓	
Element type main hydraulic filter	✓		5.7 m (18'8") Reach boom	✓	
Slider joysticks	✓		5.7 m (18'8") HD Reach boom		✓
Tandem type electronic main pump	✓		2.9 m (9'6") stick	✓	
Hammer return filter circuit		✓	2.9 m (9'6") HD thumb ready Reach stick		✓
Combined flow/high pressure auxiliary circuit		✓	3.9 m (12'10") stick		✓
Medium pressure auxiliary circuit		✓	Bucket linkage, B1-family without lifting eye, Cat GRADE		✓
Quick coupler circuit for Cat Pin Grabber		✓			

(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
ELECTRICAL SYSTEM			SERVICE AND MAINTENANCE		
Machine electronic control module (×2)	✓		Sampling ports for Scheduled Oil Sampling (S·O·S SM)	✓	
1,000 CCA maintenance-free batteries (×2)	✓		Preventative Maintenance ready (QuickEvac TM)		✓
Centralized electrical disconnect switch	✓		Grouped location for engine oil and fuel filters	✓	
Programmable time-delay LED working lights	✓		Ground level second dipstick for engine oil	✓	
LED chassis light, LH and RH boom lights for Reach, cab lights – 850 lumens	✓		Remote flash	✓	
CAT CONNECT TECHNOLOGY			SAFETY AND SECURITY		
Cat Product Link TM	✓		Rearview camera and side RH mirror	✓	
Cat GRADE with 2D	✓		360° visibility (must be used with 254 mm [10 in] monitor and cab light with cover)		✓
Cat GRADE with Advanced 2D		✓	Neutral lever (lock out) for all controls	✓	
Cat GRADE with 3D		✓	Anti-skid plate and countersunk bolts on service platform	✓	
Cat Assist:	✓		Ground-level accessible secondary engine shutoff switch in cab	✓	
– Boom Assist			Radiator screen		✓
– Bucket Assist			Bluetooth [®] receiver	✓	
– Swing Assist			RH handrail and hand hold (ISO 2867 compliant)	✓	
– Grade Assist			Travel alarm	✓	
Cat Payload:	✓				
– Payload Information					
– Static Weigh					
– Auto Calibration					

323 Attachments

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper for 70/30 with washer
- LH/RH electrical pedal for tool control
- Dual exit rear window kit
- Rain protector plus cab light cover
- Seat belt, retractable (75 mm/3 in width)

SAFETY AND SECURITY

- Bluetooth key fob

ELECTRICAL

- Jump start wiring
- LED premium lighting package

GUARDS

- Standard swivel guard
- Side rubber bumper
- FOGS (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Mesh guard lower half front
- Full protecting vandalism guard

323 Cab Options

Cab Options

	Deluxe	Premium
ROPS, standard sound suppression	●	X
ROPS, advanced sound suppression	X	●
High-resolution 203 mm (8 in) LCD touch screen monitor	●	●
High-resolution 203 mm (8 in) LCD touch screen monitor + additional monitor (only for use with Cat GRADE with Advanced 2D or Cat GRADE with 3D)	○	○
High-resolution 254 mm (10 in) LCD touch screen monitor (only for use with 360° visibility)	○	○
High-resolution 254 mm (10 in) LCD touch screen monitor + additional monitor (only for use with 360° visibility and Cat GRADE with Advanced 2D or Cat GRADE with 3D)	○	○
Automatic bi-level air conditioner	●	●
Jog dial and shortcut keys for monitor control	●	●
Keyless push-to-start engine control	●	●
Height-adjustable console, infinite with no tool	●	●
Air-adjustable seat suspension	●	●
51 mm (2 in) seat belt	●	●
Seat heater	●	●
Tilt-up left-side console	●	●
Bluetooth integrated radio with USB ports	●	●
2×12V DC outlets	●	●
Document storage	●	●
Cup and bottle holders	●	●
Two-piece front window, openable	●	●
Upper radial wiper with 70/30 with washer	○	●
Parallel wiper with lower parallel with washer	X	●
Polycarbonate skylight hatch, openable	●	●
LED dome and lower interior lights	●	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	●
Rain protector and cab light covers (only for use with 360° visibility)	●	●
Beacon ready	●	●
Washable floor mat	●	●

- Standard
- Optional
- X Not available

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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

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Replaces AEXQ2162
Build Number: 07A
(North America)

