



319

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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319 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C3.6	
Net Power		
ISO 9249	99 kW	133 hp
ISO 9249 (DIN)	134 hp (metric)	
Engine Power		
ISO 14396	100 kW	134 hp
ISO 14396 (DIN)	136 hp (metric)	
Bore	98 mm	4 in
Stroke	120 mm	5 in
Displacement	3.6 L	220 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Recommended for use up to 4500 m (14,770 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, Clean Emission Module (CEM) exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- Engine speed at 2,200 rpm.

⁽¹⁾Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with 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.

* While Cat engines are compatible with these alternative fuels, some regions may not allow their use.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

*** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Swing Mechanism

Swing Speed*	9.2 rpm	
Maximum Swing Torque (Dynamic)	49 kN·m	36,210 lbf·ft
Maximum Swing Torque (Static)	61 kN·m	45,140 lbf·ft

*For CE-marked machine default value may be set lower.

Weights

Operating Weight	19 700 kg	43,400 lb
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- Long undercarriage, 5.1 m (16'9") Reach Boom, 3.1 m (10'2") Reach Stick, General Duty (GD) 1.0 m³ (1.31 yd³) bucket, and 600 mm (24") triple grouser track shoes.

Track

Optional Track Shoes Width	500 mm	20 in
	600 mm	24 in
	700 mm	28 in
	900 mm	35 in

Number of Shoes (each side)	45
Number of Track Rollers (each side)	7
Number of Carrier Rollers (each side)	2

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.3 km/h	3.3 mph
Maximum Drawbar Pull	156 kN	35,070 lbf

Hydraulic System

Main System – Maximum Flow – Implement	296 L/min (1 pump)	78 gal/min (1 pump)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Implement – Heavy Lift	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	26 100 kPa	3,785 psi
Boom Cylinder – Bore	115 mm	5 in
Boom Cylinder – Stroke	1193 mm	47 in
VA Boom Cylinder – Bore	140 mm	6 in
VA Boom Cylinder – Stroke	865 mm	34 in
Stick Cylinder – Bore	120 mm	5 in
Stick Cylinder – Stroke	1331 mm	52 in
Bucket Cylinder – Bore	105 mm	4 in
Bucket Cylinder – Stroke	1039 mm	41 in

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Service Refill Capacities

Fuel Tank Capacity	229 L	60.5 gal
Cooling System	19 L	5.0 gal
Engine Oil (with filter)	11 L	2.9 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System (including tank)	83 L	21.9 gal
Hydraulic Tank	76 L	20.1 gal
Diesel Exhaust Fluid (DEF) Tank	21 L	5.5 gal

Standards

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

Sound Performance

ISO 6395:2008 (external) 101 dB(A)

ISO 6396:2008 (internal) 71 dB(A)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 0.8 kg (1.8 lb) of refrigerant which has a CO₂ equivalent of 1.144 metric tonnes (1.261 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.7 kg (1.5 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

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Operating Weights and Ground Pressures

Base Machine Configurations	500 mm (20") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes with Rubber Pad		700 mm (28") Triple Grouser Shoes		900 mm (35") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Frame with Track Rollers and Carrier Rollers										
4.65 mt (10,200 lb) Counterweight and Long Undercarriage										
Reach Boom + R2.6 m (8'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket	19 300 kg (42,500 lb)	53.3 kPa (7.7 psi)	19 600 kg (43,300 lb)	45.2 kPa (6.6 psi)	20 300 kg (44,700 lb)	46.8 kPa (6.8 psi)	19 900 kg (43,900 lb)	39.3 kPa (5.7 psi)	20 400 kg (45,000 lb)	31.4 kPa (4.6 psi)
Reach Boom + R2.6 m (8'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2800 mm (9'2") Blade	20 400 kg (45,000 lb)	56.4 kPa (8.2 psi)	20 700 kg (45,700 lb)	47.8 kPa (6.9 psi)	21 400 kg (47,200 lb)	49.4 kPa (7.2 psi)	—	—	—	—
Reach Boom + R2.6 m (8'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2900 mm (9'6") Blade	—	—	—	—	—	—	21 000 kg (46,400 lb)	41.6 kPa (6.0 psi)	—	—
Reach Boom + R3.1 m (10'2") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket	19 300 kg (42,600 lb)	53.5 kPa (7.8 psi)	19 700 kg (43,400 lb)	45.4 kPa (6.6 psi)	20 400 kg (44,900 lb)	47.0 kPa (6.8 psi)	20 000 kg (44,000 lb)	39.5 kPa (5.7 psi)	20 500 kg (45,200 lb)	31.5 kPa (4.6 psi)
Reach Boom + R3.1 m (10'2") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2800 mm (9'2") Blade	20 500 kg (45,100 lb)	56.6 kPa (8.2 psi)	20 800 kg (45,900 lb)	48.0 kPa (7.0 psi)	21 500 kg (47,400 lb)	49.6 kPa (7.2 psi)	—	—	—	—
Reach Boom + R3.1 m (10'2") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2900 mm (9'6") Blade	—	—	—	—	—	—	21 100 kg (46,600 lb)	41.7 kPa (6.0 psi)	—	—
Variable Angle Boom + R2.6 m (8'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket	20 000 kg (44,100 lb)	55.3 kPa (8.0 psi)	20 300 kg (44,800 lb)	46.9 kPa (6.8 psi)	21 000 kg (46,300 lb)	48.4 kPa (7.0 psi)	20 600 kg (45,500 lb)	40.7 kPa (5.9 psi)	21 100 kg (46,600 lb)	32.5 kPa (4.7 psi)
Variable Angle Boom + R2.6 m (8'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2800 mm (9'2") Blade	21 100 kg (46,500 lb)	58.4 kPa (8.5 psi)	21 500 kg (47,300 lb)	49.5 kPa (7.2 psi)	22 100 kg (48,800 lb)	51.0 kPa (7.4 psi)	—	—	—	—
Variable Angle Boom + R2.6 m (8'6") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2900 mm (9'6") Blade	—	—	—	—	—	—	21 800 kg (48,000 lb)	43.0 kPa (6.2 psi)	—	—
Variable Angle Boom + R2.25 m (7'3") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket	20 000 kg (44,000 lb)	55.2 kPa (8.0 psi)	20 300 kg (44,800 lb)	46.9 kPa (6.8 psi)	21 000 kg (46,300 lb)	48.4 kPa (7.0 psi)	20 600 kg (45,400 lb)	40.7 kPa (5.9 psi)	21 100 kg (46,600 lb)	32.5 kPa (4.7 psi)
Variable Angle Boom + R2.25 m (7'3") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2800 mm (9'2") Blade	21 100 kg (46,500 lb)	58.4 kPa (8.5 psi)	21 500 kg (47,300 lb)	49.5 kPa (7.2 psi)	22 100 kg (48,800 lb)	51.0 kPa (7.4 psi)	—	—	—	—
Variable Angle Boom + R2.25 m (7'3") Stick + 1.0 m ³ (1.31 yd ³) GD Bucket + 2900 mm (9'6") Blade	—	—	—	—	—	—	21 700 kg (47,000 lb)	43.0 kPa (6.2 psi)	—	—

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

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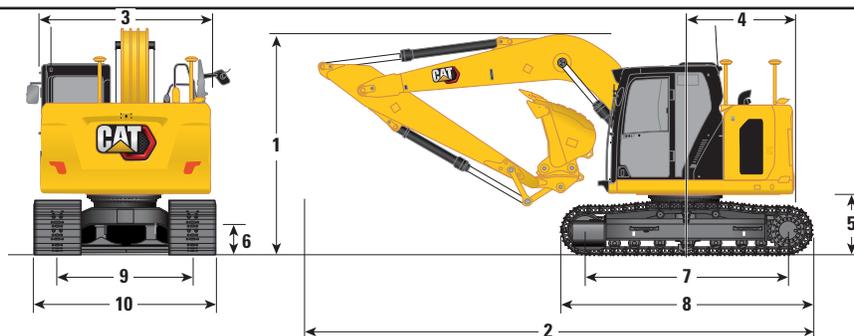
Major Component Weights

	kg	lb
Base Machine Weight (with 4.65 mt [10,200 lb] counterweight, upper frame, long undercarriage, and counterweight – does not include boom, stick, bucket, boom cylinders, stick cylinder, bucket cylinders, tracks, 90% fuel tank, and operator).		
For use with Reach Boom	13 570	29,900
For use with Variable Angle Boom (including High Pressure [HP], Multi Purpose [MP], Quick Coupler [QC] Auxiliary line)	13 670	30,100
Track Shoes:		
500 mm (20") Triple Grouser Track Shoes	2230	4,900
600 mm (24") Triple Grouser Track Shoes	2590	5,700
600 mm (24") Triple Grouser Track Shoes with Rubber Pad	3260	7,200
700 mm (28") Triple Grouser Track Shoes with Additional Steps	2860	6,300
900 mm (36") Triple Grouser Track Shoes with Additional Steps	3380	7,400
Two Boom Cylinders	310	700
Two Boom Cylinders with Boom Lowering Check Valve	330	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	240	500
Counterweights:		
4.65 mt (10,200 lb) Counterweight	4650	10,200
Swing Frame:	1790	3,900
Undercarriage:		
Base Frame with Long Undercarriage without Blade	4160	9,200
Base Frame with Long Undercarriage and 2800 mm (9'2") Blade	5290	11,700
Base Frame with Long Undercarriage and 2900 mm (9'6") Blade	5300	11,700
Booms (including lines, pins, stick cylinder):		
Reach Boom 5.1 m (16'9")	1350	3,000
Variable Angle Boom (2.64 m [8'8"] Stub + 2.6 m [8'6"] Fore)	1970	4,300
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
2.6 m (8'6") Reach stick	820	1,800
3.1 m (10'2") Reach stick	900	2,000
2.25 m (7'3") Reach stick for use with Variable Angle Boom	810	1,800
Buckets (without linkage, with tips and side cutters):		
1.0 m ³ (1.31 yd ³) GD Bucket	720	1,600
Quick Coupler		
Pin Grabber Quick Coupler	330	700

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Dimensions

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



Boom Options

Reach Boom
5.1 m (16'9")

Stick Options

R2.6 m (8'6")

Reach Sticks

R3.1 m (10'2")

1 Machine Height:

	R2.6 m (8'6")		R3.1 m (10'2")	
Top of Cab Height	2940 mm	9'8"	2940 mm	9'8"
Top of OPG Height	3090 mm	10'2"	3090 mm	10'2"
Handrail Height	2990 mm	9'10"	2990 mm	9'10"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3060 mm	10'0"	3150 mm	10'4"
With Boom/Stick Installed (with auxiliary lines)	2870 mm	9'5"	2930 mm	9'7"
With Boom Installed (with auxiliary lines)	2600 mm	8'6"	2600 mm	8'6"

Machine Height with 600 mm (24") Triple Grouser Track Shoes with Rubber Pad:

Top of Cab Height	2980 mm	9'9"	2980 mm	9'9"
Top of OPG Height	3130 mm	10'3"	3130 mm	10'3"
Handrail Height	3030 mm	9'11"	3030 mm	9'11"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3070 mm	10'1"	3160 mm	10'4"
With Boom/Stick Installed (with auxiliary lines)	2880 mm	9'5"	2930 mm	9'7"
With Boom Installed (with auxiliary lines)	2620 mm	8'7"	2620 mm	8'7"

2 Machine Length (without Blade):

With Boom/Stick/Bucket Installed (with auxiliary lines)	8100 mm	26'7"	8120 mm	26'8"
With Boom/Stick Installed (with auxiliary lines)	8010 mm	26'3"	8060 mm	26'5"
With Boom Installed (with auxiliary lines)	7170 mm	23'6"	7170 mm	23'6"

Machine Length (with Blade):

With Boom/Stick/Bucket Installed (with auxiliary lines)	8640 mm	28'4"	8660 mm	28'5"
With Boom/Stick Installed (with auxiliary lines)	8550 mm	28'1"	8600 mm	28'3"
With Boom Installed (with auxiliary lines)	7710 mm	25'4"	7710 mm	25'4"

3 Upperframe Width

	2640 mm	8'8"	2640 mm	8'8"
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4 Tail Swing Radius – 4.65 mt (10,200 lb) Counterweight

	1750 mm	5'9"	1750 mm	5'9"
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5 Counterweight Clearance

	1016 mm	3'4"	1016 mm	3'4"
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6 Ground Clearance

	463 mm	1'6"	463 mm	1'6"
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7 Length to Center of Rollers

	3265 mm	10'9"	3265 mm	10'9"
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8 Track Length

	4070 mm	13'4"	4070 mm	13'4"
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9 Track Gauge

	2200 mm	7'2"	2200 mm	7'2"
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10 Undercarriage Width:

500 mm (20") Shoes	2700 mm	8'10"	2700 mm	8'10"
600 mm (24") Shoes	2800 mm	9'2"	2800 mm	9'2"
600 mm (24") Shoes with Rubber Pad	2800 mm	9'2"	2800 mm	9'2"
700 mm (28") Shoes (with steps)	2900 mm	9'6"	2900 mm	9'6"
900 mm (35") Shoes (with steps)	3100 mm	10'2"	3100 mm	10'2"

Bucket Type

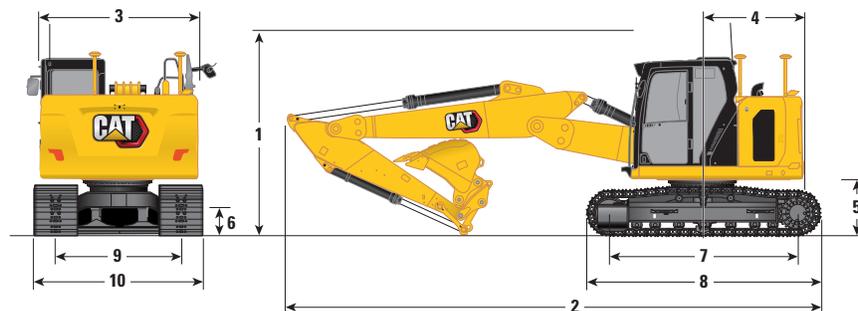
GD

Bucket Capacity	1.00 m ³	1.31 yd ³	1.00 m ³	1.31 yd ³
Bucket Tip Radius	1390 mm	4'7"	1390 mm	4'7"

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Dimensions (continued)

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



Boom Options

Variable Angle Boom
2.64 m/2.6 m (8'8"/8'6")

Stick Options

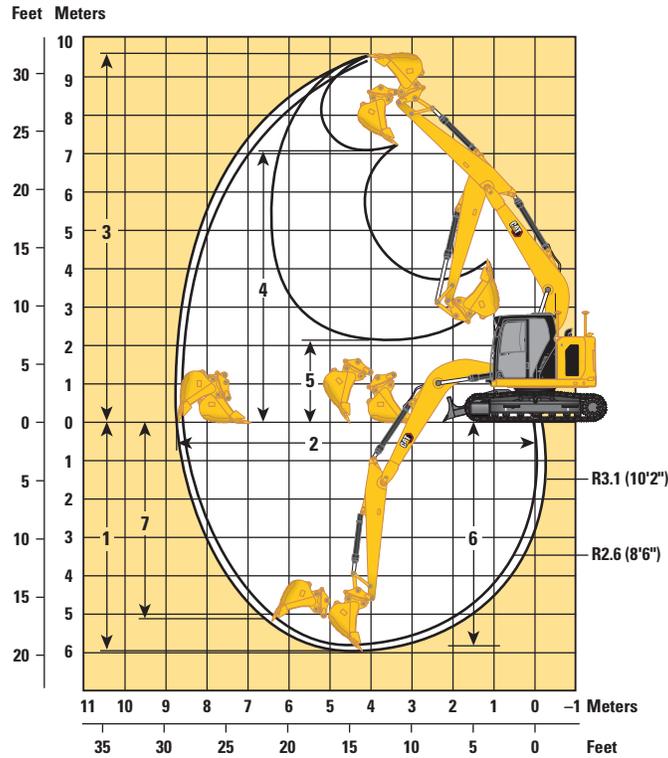
Reach Sticks
R2.25 m (7'5") R2.6 m (8'6")

	R2.25 m (7'5")	Reach Sticks	R2.6 m (8'6")
1 Machine Height:			
Top of Cab Height	2940 mm	9'8"	2940 mm
Top of OPG Height	3090 mm	10'2"	3090 mm
Handrail Height	2990 mm	9'10"	2990 mm
With Boom/Stick/Bucket Installed (with auxiliary lines)	2860 mm	9'5"	3000 mm
With Boom/Stick Installed (with auxiliary lines)	2670 mm	8'9"	2780 mm
With Boom Installed (with auxiliary lines)	2210 mm	7'3"	2210 mm
Machine Height with 600 mm (24") Triple Grouser Track Shoes with Rubber Pad:			
Top of Cab Height	2980 mm	9'9"	2980 mm
Top of OPG Height	3130 mm	10'3"	3130 mm
Handrail Height	3030 mm	9'11"	3030 mm
With Boom/Stick/Bucket Installed (with auxiliary lines)	2880 mm	9'5"	3010 mm
With Boom/Stick Installed (with auxiliary lines)	2680 mm	8'10"	2790 mm
With Boom Installed (with auxiliary lines)	2240 mm	7'4"	2240 mm
2 Machine Length (without Blade):			
With Boom/Stick/Bucket Installed (with auxiliary lines)	8180 mm	26'10"	8170 mm
With Boom/Stick Installed (with auxiliary lines)	8150 mm	26'9"	8170 mm
With Boom Installed (with auxiliary lines)	7230 mm	23'9"	7230 mm
Machine Length (with Blade):			
With Boom/Stick/Bucket Installed (with auxiliary lines)	8720 mm	28'7"	8710 mm
With Boom/Stick Installed (with auxiliary lines)	8690 mm	28'6"	8710 mm
With Boom Installed (with auxiliary lines)	7770 mm	25'6"	7770 mm
3 Upperframe Width	2640 mm	8'8"	2640 mm
4 Tail Swing Radius – 4.65 mt (10,200 lb) Counterweight	1750 mm	5'9"	1750 mm
5 Counterweight Clearance	1016 mm	3'4"	1016 mm
6 Ground Clearance	463 mm	1'6"	463 mm
7 Length to Center of Rollers	3265 mm	10'9"	3265 mm
8 Track Length	4070 mm	13'4"	4070 mm
9 Track Gauge	2200 mm	7'2"	2200 mm
10 Undercarriage Width:			
500 mm (20") Shoes	2700 mm	8'10"	2700 mm
600 mm (24") Shoes	2800 mm	9'2"	2800 mm
600 mm (24") Shoes with Rubber Pad	2800 mm	9'2"	2800 mm
700 mm (28") Shoes (with steps)	2900 mm	9'6"	2900 mm
900 mm (35") Shoes (with steps)	3100 mm	10'2"	3100 mm
Bucket Type	GD		
Bucket Capacity	1.00 m ³	1.31 yd ³	1.00 m ³
Bucket Tip Radius	1390 mm	4'7"	1390 mm

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Working Ranges

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

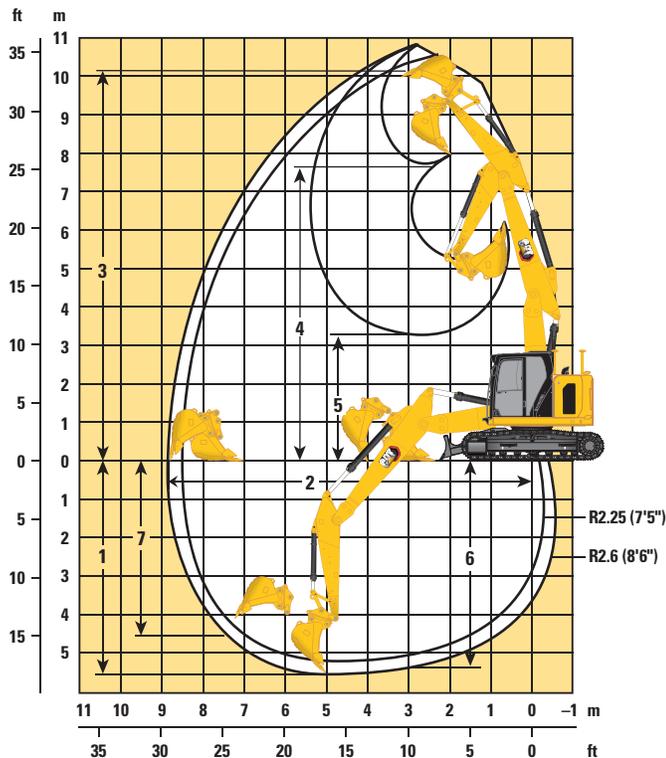


Boom Option	Reach Boom 5.1 m (16'9")			
	Reach Sticks R2.6 m (8'6")		Reach Sticks R3.1 m (10'2")	
1 Maximum Digging Depth	6050 mm	19'10"	6550 mm	21'6"
2 Maximum Reach at Ground Line	8780 mm	28'10"	9190 mm	30'2"
3 Maximum Cutting Height	9000 mm	29'6"	9050 mm	29'8"
4 Maximum Loading Height	6330 mm	20'9"	6430 mm	21'1"
5 Minimum Loading Height	2350 mm	7'9"	1850 mm	6'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5820 mm	19'1"	6330 mm	20'9"
7 Maximum Vertical Wall Digging Depth	5020 mm	16'6"	5210 mm	17'1"
Minimum Working Equipment Radius	2980 mm	9'9"	2930 mm	9'7"
Bucket Digging Force (ISO)	123 kN	27,650 lbf	123 kN	27,650 lbf
Stick Digging Force (ISO)	80 kN	17,980 lbf	71 kN	15,960 lbf
Bucket Type	GD		GD	
Bucket Capacity	1.00 m ³	1.31 yd ³	1.00 m ³	1.31 yd ³
Bucket Tip Radius	1390 mm	4'7"	1390 mm	4'7"

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Working Ranges (continued)

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



Boom Option

Variable Angle Boom
2.64 m/2.6 m (8'8"/8'6")

Stick Options

Reach Sticks

R2.25 m (7'5")

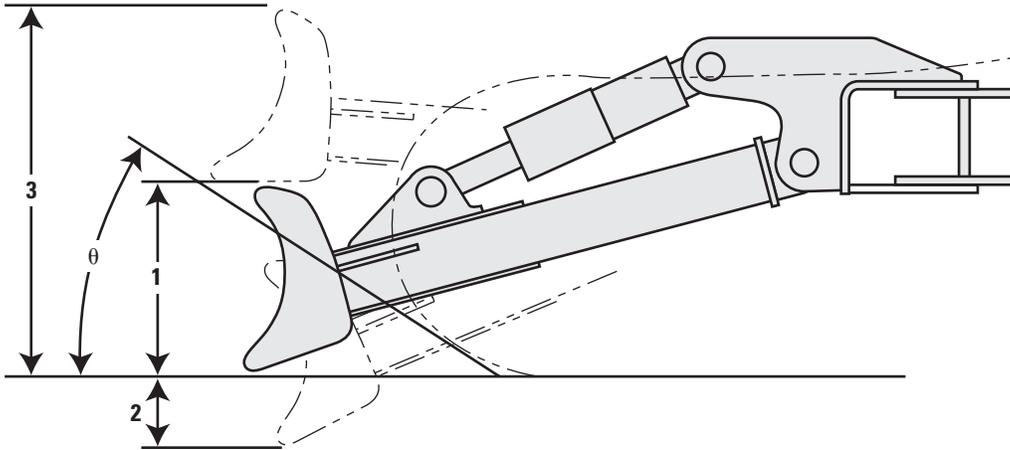
R2.6 m (8'6")

	R2.25 m (7'5")	R2.6 m (8'6")
1 Maximum Digging Depth	5120 mm	17'11"
2 Maximum Reach at Ground Line	8640 mm	29'5"
3 Maximum Cutting Height	10 320 mm	34'11"
4 Maximum Loading Height	7590 mm	25'11"
5 Minimum Loading Height	3640 mm	10'11"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	4980 mm	17'6"
7 Maximum Vertical Wall Digging Depth	4120 mm	14'10"
Minimum Working Equipment Radius	1810 mm	6'6"
Bucket Digging Force (ISO)	123 kN	27,650 lbf
Stick Digging Force (ISO)	88 kN	19,780 lbf
Bucket Type	GD	GD
Bucket Capacity	1.00 m ³	1.31 yd ³
Bucket Tip Radius	1390 mm	4'7"

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Blade Working Ranges

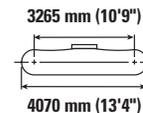
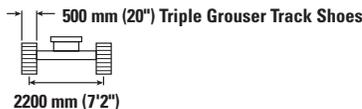
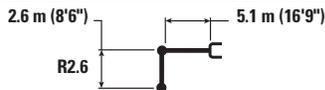
All dimensions are approximate and may vary depending on bucket selection.



Blade Options	2800 mm (9'2")		2900 mm (9'6")	
	1 Blade Height	616 mm	2'0"	616 mm
2 Maximum Lowering Depth from Ground	482 mm	1'7"	482 mm	1'7"
3 Maximum Raising Height above Ground	1006 mm	3'4"	1006 mm	3'4"
θ Approach Angle	23°		23°	

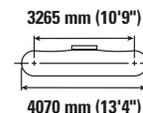
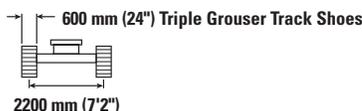
319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"	kg lb							*3900 *7,400	3900 *7,400			*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"	kg lb					*5500 *11,950	*5500 *11,950	*5150 *11,200	3850 8,200			*3000 *6,600	2950 6,550	7040 23'0"
3000 mm 10'0"	kg lb			*10 650 *22,700	10 500 22,650	*7050 *15,150	5650 12,100	5600 12,050	3700 7,950			*3050 *6,700	2650 5,850	7460 24'5"
1500 mm 5'0"	kg lb					8450 18,150	5300 11,400	5450 11,700	3550 7,600	*3700	2600	*3250 *7,200	2550 5,600	7560 24'10"
0 mm 0 in	kg lb			*6650 *15,300	*6650 *15,300	8200 17,650	5100 10,950	5300 11,400	3450 7,400			*3700 *8,100	2600 5,750	7350 24'2"
-1500 mm -5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 850 *24,700	9400 20,150	8150 17,450	5050 10,800	5250 11,300	3400 7,300			4400 9,750	2900 6,350	6810 22'4"
-3000 mm -10'0"	kg lb	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	9550 20,450	8200 17,600	5100 10,950					5550 12,300	3550 7,950	5840 19'0"
-4500 mm -15'0"	kg lb			*9050 *19,050	*9050 *19,050							*6500 *14,200	6000 13,750	4140 13'3"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"	kg lb							*3900 *7,400	*3900 *7,400			*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"	kg lb					*5500 *11,950	*5500 *11,950	*5150 *11,200	3900 8,350			*3000 *6,600	*3000 *6,600	7040 23'0"
3000 mm 10'0"	kg lb			*10 650 *22,700	*10 650 *22,700	*7050 *15,150	5750 12,350	5700 12,250	3750 8,100			*3050 *6,700	2700 5,950	7460 24'5"
1500 mm 5'0"	kg lb					8600 18,500	5400 11,600	5550 11,900	3600 7,750	*3700	2650	*3250 *7,200	2600 5,700	7560 24'10"
0 mm 0 in	kg lb			*6650 *15,300	*6650 *15,300	8350 17,950	5200 11,150	5400 11,650	3500 7,500			*3700 *8,100	2650 5,850	7350 24'2"
-1500 mm -5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 850 *24,700	9600 20,550	8300 17,800	5100 11,000	5350 11,550	3450 7,450			4500 9,900	2950 6,450	6810 22'4"
-3000 mm -10'0"	kg lb	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	9700 20,850	8350 17,950	5150 11,150					5650 12,550	3650 8,100	5840 19'0"
-4500 mm -15'0"	kg lb			*9050 *19,050	*9050 *19,050							*6500 *14,200	6100 14,000	4140 13'3"



ISO 10567:2007



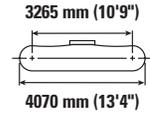
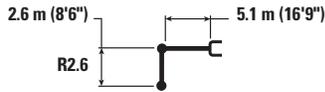
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

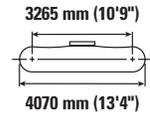
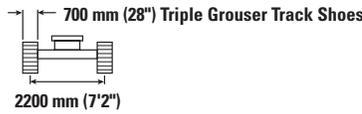
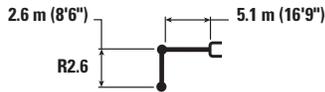
319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Reach Boom Lift Configuration	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	mm (ft'inch")	
7500 mm 25'0"											*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"							*3900 *7,400	*3900 *7,400			*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"					*5500 *11,950	*5500 *11,950	*5150 *11,200	4000 8,650			*3000 *6,600	*3000 *6,600	7040 23'0"
3000 mm 10'0"			*10 650 *22,700	*10 650 *22,700	*7050 *15,150	5900 12,700	*5750 *12,550	3900 8,350			*3050 *6,700	2800 6,200	7460 24'5"
1500 mm 5'0"					*8600 *18,600	5550 12,000	5700 12,300	3750 8,050	*3700 2750		*3250 *7,200	2700 5,900	7560 24'10"
0 mm 0 in			*6650 *15,300	*6650 *15,300	8650 18,550	5350 11,550	5600 12,050	3600 7,800			*3700 *8,100	2750 6,050	7350 24'2"
-1500 mm -5'0"	*6150 *13,750	*6150 *13,750	*10 850 *24,700	9900 21,250	8550 18,400	5300 11,400	5550 11,950	3600 7,700			*4500 *10,000	3050 6,700	6810 22'4"
-3000 mm -10'0"	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	10 050 21,550	8650 18,550	5350 11,500					5850 12,950	3750 8,350	5840 19'0"
-4500 mm -15'0"			*9050 *19,050	*9050 *19,050							*6500 *14,200	6300 *14,200	4140 13'3"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Reach Boom Lift Configuration	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	kg (lb)	mm (ft'inch")	
7500 mm 25'0"											*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"							*3900 *7,400	*3900 *7,400			*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"					*5500 *11,950	*5500 *11,950	*5150 *11,200	3950 8,500			*3000 *6,600	*3000 *6,600	7040 23'0"
3000 mm 10'0"			*10 650 *22,700	*10 650 *22,700	*7050 *15,150	5800 12,500	*5750 *12,400	3800 8,200			*3050 *6,700	2750 6,050	7460 24'5"
1500 mm 5'0"					*8600 *18,600	5450 11,750	5600 12,050	3650 7,850	*3700 2650		*3250 *7,200	2650 5,800	7560 24'10"
0 mm 0 in			*6650 *15,300	*6650 *15,300	8500 18,200	5250 11,300	5500 11,800	3550 7,650			*3700 *8,100	2700 5,950	7350 24'2"
-1500 mm -5'0"	*6150 *13,750	*6150 *13,750	*10 850 *24,700	9700 20,850	8400 18,050	5200 11,150	5450 11,700	3500 7,550			*4500 *10,000	3000 6,550	6810 22'4"
-3000 mm -10'0"	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	9850 21,150	8450 18,200	5250 11,300					5700 12,700	3700 8,200	5840 19'0"
-4500 mm -15'0"			*9050 *19,050	*9050 *19,050							*6500 *14,200	6150 14,150	4140 13'3"



ISO 10567:2007



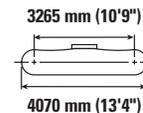
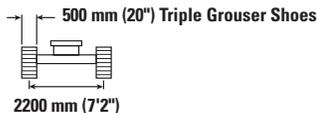
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Lift capacity stays with ±5% for all available track shoes.

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

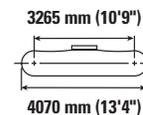
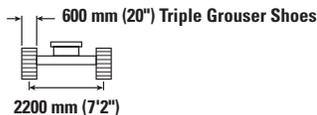
319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	3850 8,300			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	5700 12,300	*5350 *11,600	3700 8,000	*3850 *7,600	2650 5,650	*2650 *5,750	2450 5,400	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5350 11,500	5450 11,700	3550 7,650	3900 8,400	2550 5,500	*2800 *6,200	2350 5,150	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8200 17,650	5100 10,950	5300 11,400	3400 7,350	3850 8,250	2500 5,400	*3200 *7,000	2400 5,250	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	9300 19,950	8100 17,350	5000 10,700	5200 11,200	3350 7,200			*3850 *8,500	2600 5,700	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	9400 20,150	8100 17,400	5000 10,750	5250 11,300	3350 7,250			4850 10,750	3150 6,950	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	9650 20,750	*7200 *15,150	5150 11,100					*6500 *14,400	4650 10,600	4830 15'6"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	3950 8,450			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	5800 12,500	*5350 *11,600	3800 8,150	*3850 *7,600	2700 5,750	*2650 *5,750	2500 5,500	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5450 11,700	5550 11,900	3600 7,750	4000 8,550	2600 5,600	*2800 *6,200	2400 5,250	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8350 17,950	5200 11,150	5400 11,600	3500 7,500	3900 8,400	2550 5,500	*3200 *7,000	2450 5,350	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	9500 20,300	8250 17,700	5050 10,900	5300 11,450	3400 7,350			*3850 *8,500	2650 5,850	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	9550 20,500	8250 17,750	5100 10,950	5350 11,500	3450 7,400			4950 10,950	3200 7,050	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	9850 21,150	*7200 *15,150	5250 11,300					*6500 *14,400	4750 10,800	4830 15'6"



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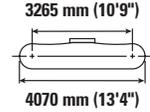
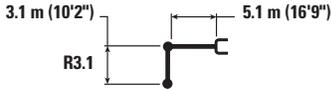
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Lift capacity stays with ±5% for all available track shoes.

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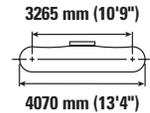
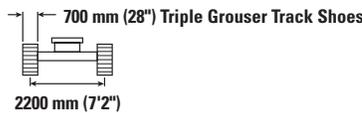
319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	4050 8,700			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	6000 12,900	*5350 *11,600	3900 8,400	*3850 *7,600	2800 5,950	*2650 *5,750	2600 5,700	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5600 12,100	5750 12,300	3750 8,050	4100 8,850	2700 5,800	*2800 *6,200	2500 5,450	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8650 18,550	5350 11,550	5600 12,000	3600 7,750	4050 8,700	2650 5,700	*3200 *7,000	2550 5,550	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	9800 21,000	8500 18,300	5250 11,300	5500 11,850	3550 7,600			*3850 *8,500	2750 6,050	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	9900 21,200	8550 18,300	5250 11,300	5500 11,900	3550 7,650			5100 11,300	3300 7,300	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	10 150 21,850	*7200 *15,150	5400 11,700					*6500 *14,400	4900 11,150	4830 15'6"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	4000 8,550			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	5900 12,650	*5350 *11,600	3850 8,250	*3850 *7,600	2750 5,850	*2650 *5,750	2550 5,600	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5500 11,850	5650 12,100	3650 7,900	4050 8,650	2650 5,700	*2800 *6,200	2450 5,350	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8500 18,200	5250 11,300	5500 11,750	3550 7,600	3950 8,550	2600 5,550	*3200 *7,000	2500 5,450	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	9600 20,600	8350 17,950	5150 11,050	5400 11,600	3450 7,450			*3850 *8,500	2700 5,900	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	9700 20,800	8400 18,000	5150 11,100	5400 11,650	3500 7,500			5000 11,100	3250 7,150	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	9950 21,400	*7200 *15,150	5300 11,450					*6500 *14,400	4800 10,500	4830 15'6"



ISO 10567:2007



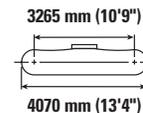
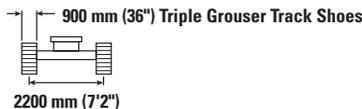
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Lift capacity stays with ±5% for all available track shoes.

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319 Hydraulic Excavator Specifications

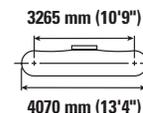
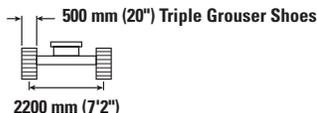
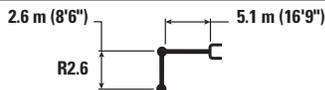
Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft/inch)		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	4100 8,750			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	6000 12,950	*5350 *11,600	3950 8,450	*3850 *7,600	2800 6,000	*2650 *5,750	2600 5,750	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5650 12,150	5750 12,400	3750 8,100	4150 8,900	2750 5,850	*2800 *6,200	2500 5,500	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8700 18,700	5400 11,600	5600 12,100	3650 7,800	4100 *8,750	2650 5,750	*7000 *7,000	2550 5,600	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	9850 21,150	8600 18,400	5300 11,350	5550 11,900	3550 7,650			*3850 *8,500	2750 6,100	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	9950 21,350	8600 18,450	5300 11,400	5550 11,950	3550 7,700			5150 11,400	3350 7,350	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	10 250 21,950	*7200 *15,150	5450 11,750					*6500 *14,400	4950 11,200	4830 15'6"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft/inch)		
7500 mm 25'0"	kg lb											*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"	kg lb							*3900 *7,400	*3900 *7,400			*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"	kg lb					*5500 *11,950	*5500 *11,950	*5150 *11,200	4050 8,650			*3000 *6,600	*3000 *6,600	7040 23'0"
3000 mm 10'0"	kg lb			*10 650 *22,700	*10 650 *22,700	*7050 *15,150	5950 12,750	5600 12,000	3900 8,400			*3050 *6,700	2800 6,200	7460 24'5"
1500 mm 5'0"	kg lb					8400 18,050	5600 12,050	5400 11,650	3750 8,050	*3700 2750		*3250 *7,200	2700 5,950	7560 24'10"
0 mm 0 in	kg lb			*6650 *15,300	*6650 *15,300	8200 17,550	5400 11,600	5300 11,350	3650 7,850			*3700 *8,100	2750 6,100	7350 24'2"
-1500 mm -5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 850 *24,700	9950 21,350	8100 17,400	5350 11,450	5250 11,250	3600 7,750			4400 9,700	3050 6,700	6810 22'4"
-3000 mm -10'0"	kg lb	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	10 100 21,650	8150 17,500	5400 11,550					5500 12,250	3800 8,400	5840 19'0"
-4500 mm -15'0"	kg lb			*9050 *19,050	*9050 *19,050							*6500 *14,200	6300 *14,200	4140 13'3"



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.

319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade

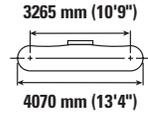
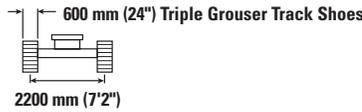
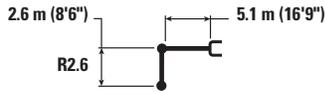


Diagram	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		Diagram		mm (ft/inch)	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
7500 mm 25'0"												*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"							*3900 *7,400	*3900 *7,400				*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"					*5500 *11,950	*5500 *11,950	*5150 *11,200	4100 8,800				*3000 *6,600	*3000 *6,600	7040 23'0"
3000 mm 10'0"			*10 650 *22,700	*10 650 *22,700	*7050 *15,150	6050 13,000	5700 12,200	3950 8,550				*3050 *6,700	2850 6,300	7460 24'5"
1500 mm 5'0"					8550 18,400	5700 12,250	5500 11,850	3800 8,200	*3700 2800			*3250 *7,200	2750 6,050	7560 24'10"
0 mm 0 in			*6650 *15,300	*6650 *15,300	8350 17,900	5500 11,800	5400 11,600	3700 7,950				*3700 *8,100	2800 6,200	7350 24'2"
-1500 mm -5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 850 *24,700	10 150 21,700	8250 17,700	5400 11,650	5350 11,500	3650 7,900			4500 9,850	3100 6,850	6810 22'4"
-3000 mm -10'0"	kg lb	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	10 250 22,000	8300 17,850	5450 11,800					5600 12,500	3850 8,550	5840 19'0"
-4500 mm -15'0"	kg lb			*9050 *19,050	*9050 *19,050							*6500 *14,200	6400 *14,200	4140 13'3"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade

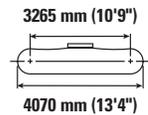


Diagram	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		Diagram		mm (ft/inch)	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
7500 mm 25'0"												*3500 *7,800	*3500 *7,800	4840 15'4"
6000 mm 20'0"							*3900 *7,400	*3900 *7,400				*3100 *6,850	*3100 *6,850	6230 20'3"
4500 mm 15'0"					*5500 *11,950	*5500 *11,950	*5150 *11,200	4250 9,100				*3000 *6,600	*3000 *6,600	7040 23'0"
3000 mm 10'0"			*10 650 *22,700	*10 650 *22,700	*7050 *15,150	6200 13,350	*5750 *12,550	4100 8,800				*3050 *6,700	2950 6,550	7460 24'5"
1500 mm 5'0"					*8600 *18,600	5850 12,650	5700 12,250	3950 8,500	*3700 2800			*3250 *7,200	2850 6,250	7560 24'10"
0 mm 0 in			*6650 *15,300	*6650 *15,300	8600 18,450	5650 12,200	5550 11,950	3850 8,250				*3700 *8,100	2900 6,400	7350 24'2"
-1500 mm -5'0"	kg lb	*6150 *13,750	*6150 *13,750	*10 850 *24,700	10 450 22,400	8550 18,300	5600 12,050	5500 11,850	3800 8,150			*4500 *10,000	3200 7,100	6810 22'4"
-3000 mm -10'0"	kg lb	*10 700 *24,050	*10 700 *24,050	*12 700 *27,400	10 600 22,750	8600 18,450	5650 12,150					5800 12,900	4000 8,850	5840 19'0"
-4500 mm -15'0"	kg lb			*9050 *19,050	*9050 *19,050							*6500 *14,200	6400 *14,200	4140 13'3"



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.

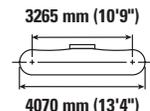
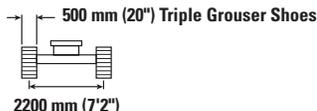
Lift capacity stays with ±5% for all available track shoes.

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

319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

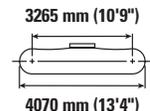
2800 mm (9'2") blade



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	4050 8,750			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	6000 12,950	*5350 *11,600	3950 8,450	*3850 *7,600	2800 6,000	*2650 *5,750	2600 5,700	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5650 12,150	5400 11,650	3750 8,100	3900 8,350	2750 5,850	*2800 *6,200	2500 5,500	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8200 17,550	5400 11,600	5250 11,350	3600 7,800	3800 8,200	2650 5,700	*3200 *7,000	2600 5,600	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	9850 21,100	8050 17,250	5300 11,350	5200 11,150	3650 7,650			*3850 *8,500	2750 6,100	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	9950 21,300	8050 17,300	5300 11,400	5200 11,200	3550 7,700			4800 10,700	3300 7,350	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	10 200 21,950	*7200 *15,150	5450 11,750					*6500 *14,400	4950 11,200	4830 15'6"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	4150 8,900			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	6100 13,150	*5350 *11,600	4000 8,600	*3850 *7,600	2850 6,100	*2650 *5,750	*2650 *5,750	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5750 12,350	5500 11,850	3800 8,200	3950 8,500	2800 5,950	*2800 *6,200	2550 5,600	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8350 17,900	5500 11,800	5350 11,550	3700 7,950	3900 8,350	2700 5,850	*3200 *7,000	2600 5,700	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	10 050 21,500	8200 17,600	5350 11,550	5300 11,400	3600 7,800			*3850 *8,500	2800 6,200	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	10 100 21,700	8200 17,650	5400 11,600	5300 11,450	3650 7,850			4900 10900	3400 7,500	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	10 400 22,300	*7200 *15,150	5550 11,950					*6500 *14,400	5050 11,400	4830 15'6"



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.

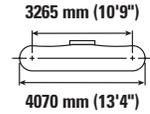
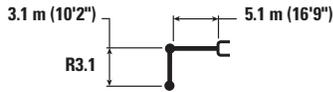
Lift capacity stays with ±5% for all available track shoes.

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

319 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

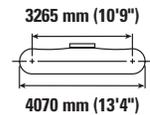
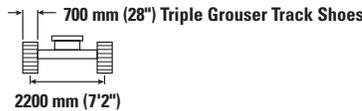
2800 mm (9'2") blade



Reach	Unit	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft/inch)		
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
7500 mm 25'0"	kg											*2850	*2850	5440
	lb											*6,350	*6,350	17'5"
6000 mm 20'0"	kg							*3900	*3900			*2600	*2600	6700
	lb							*8,150	*8,150			*5,750	*5,750	21'9"
4500 mm 15'0"	kg							*4650	4250			*2550	*2550	7460
	lb							*10,150	9,150			*5,600	*5,600	24'5"
3000 mm 10'0"	kg			*9000	*9000	*6350	6300	*5350	4100	*3850	2950	*2650	*2650	7860
	lb			*19,150	*19,150	*13,700	13,550	*11,600	8,850	*7,600	6,300	*5,750	*5,750	25'9"
1500 mm 5'0"	kg			*8500	*8500	*8050	5900	5700	3950	4100	2850	*2800	2650	7950
	lb			*20,250	*20,250	*17,400	12,750	12,250	8,500	8,800	6,150	*6,200	5,800	26'1"
0 mm 0 in	kg			*7650	*7650	8600	5650	5550	3800	4050	2800	*3200	2700	7760
	lb			*17,500	*17,500	18,450	12,200	11,950	8,200	8,650	6,050	*7,000	5,900	25'6"
-1500 mm -5'0"	kg	*5850	*5850	*10 450	10 350	8500	5550	5500	3750			*3850	2900	7250
	lb	*13,050	*13,050	*23,700	22,200	18,200	11,950	11,750	8,050			*8,500	6,400	23'9"
-3000 mm -10'0"	kg	*9350	*9350	*13 450	10 450	8500	5550	5500	3750			5100	3500	6350
	lb	*20,950	*20,950	*29,100	22,400	18,250	11,950	11,800	8,100			11,250	7,750	20'9"
-4500 mm -15'0"	kg			*10 650	*10 650	*7200	5750					*6500	5200	4830
	lb			*22,700	*22,700	*15,150	12,350					*14,400	11,750	15'6"

Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2900 mm (9'6") blade



Reach	Unit	1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft/inch)		
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
7500 mm 25'0"	kg											*3500	*3500	4840
	lb											*7,800	*7,800	15'4"
6000 mm 20'0"	kg							*3900	*3900			*3100	*3100	6230
	lb							*7,400	*7,400			*6,850	*6,850	20'3"
4500 mm 15'0"	kg					*5500	*5500	*5150	4150			*3000	*3000	7040
	lb					*11,950	*11,950	*11,200	8,950			*6,600	*6,600	23'0"
3000 mm 10'0"	kg			*10 650	*10 650	*7050	6100	5750	4000			*3050	2900	7460
	lb			*22 700	*22,700	*15,150	13,150	12,350	8,650			*6,700	6,400	24'5"
1500 mm 5'0"	kg					*8600	5750	5600	3850	*3700	2850	*3250	2800	7560
	lb					*18,600	12,400	12,000	8,350			*7,200	6,150	24'10"
0 mm 0 in	kg			*6650	*6650	8450	5550	5450	3750			*3700	2850	7350
	lb			*15,300	*15,300	18,100	11,950	11,750	8,100			*8,100	6,300	24'2"
-1500 mm -5'0"	kg	*6150	*6150	*10 850	10 250	8350	5500	5400	3700			*4500	3150	6810
	lb	*13,750	*13,750	*24,700	22,000	17,950	11,850	11,650	8,000			*10,000	6,950	22'4"
-3000 mm -10'0"	kg	*10 700	*10 700	*12 700	10 400	8450	5550					5700	3900	5840
	lb	*24,050	*24,050	*27,400	22,350	18,100	11,950					12,650	8,650	19'0"
-4500 mm -15'0"	kg			*9050	*9050							*6500	*6500	4140
	lb			*19,050	*19,050							*14,200	*14,200	13'3"



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.

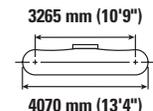
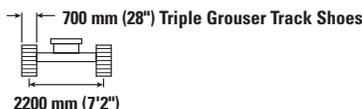
Lift capacity stays with ±5% for all available track shoes.

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

319 Hydraulic Excavator Specifications

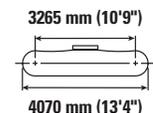
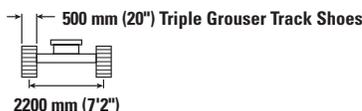
Reach Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2900 mm (9'6") blade



		1500 mm/5'0"		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb											*2850 *6,350	*2850 *6,350	5440 17'5"
6000 mm 20'0"	kg lb							*3900 *8,150	*3900 *8,150			*2600 *5,750	*2600 *5,750	6700 21'9"
4500 mm 15'0"	kg lb							*4650 *10,150	4200 9,000			*2550 *5,600	*2550 *5,600	7460 24'5"
3000 mm 10'0"	kg lb			*9000 *19,150	*9000 *19,150	*6350 *13,700	6200 13,300	*5350 *11,600	4050 8,700	*3850 *7,600	2900 6,200	*2650 *5,750	*2650 *5,750	7860 25'9"
1500 mm 5'0"	kg lb			*8500 *20,250	*8500 *20,250	*8050 *17,400	5800 12,500	5600 12,050	3900 8,350	4000 8,600	2800 6,050	*2800 *6,200	2600 5,650	7950 26'1"
0 mm 0 in	kg lb			*7650 *17,500	*7650 *17,500	8450 18,150	5550 11,950	5450 11,700	3750 8,050	3950 8,500	2750 5,900	*3200 *7,000	2650 5,750	7760 25'6"
-1500 mm -5'0"	kg lb	*5850 *13,050	*5850 *13,050	*10 450 *23,700	10 150 21,800	8300 17,850	5450 11,700	5350 11,550	3650 7,900			*3850 *8,500	2850 6,300	7250 23'9"
-3000 mm -10'0"	kg lb	*9350 *20,950	*9350 *20,950	*13 450 *29,100	10 250 22,000	8350 17,900	5450 11,750	5400 11,600	3700 7,950			5000 11,050	3450 7,600	6350 20'9"
-4500 mm -15'0"	kg lb			*10 650 *22,700	10 550 22,600	*7200 *15,150	5600 12,150					*6500 *14,400	5100 11,550	4830 15'6"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		mm (ft'inch")		
7500 mm 25'0"	kg lb	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	kg lb	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	3750	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	kg lb	*8700 *17,900	*8700 *17,900	*6400 *13,850	5850 12,550	*4850 *10,550	3700 8,000	*3250 *7,200	2950 6,550	6880 22'6"
3000 mm 10'0"	kg lb			*7750 *16,600	5450 11,700	*5250 *11,250	3550 7,650	*3250 *7,200	2650 5,800	7310 23'11"
1500 mm 5'0"	kg lb			8250 17,750	5050 10,900	5350 11,450	3400 7,300	*3450 *7,550	2500 5,550	7410 24'4"
0 mm 0 in	kg lb			8050 17,300	4900 10,500	5200 11,200	3300 7,100	*3800 *8,350	2600 5,700	7200 23'8"
-1500 mm -5'0"	kg lb	*8450 *18,500	*8450 *18,500	*7250 *15,650	4850 10,450	5200 *11,200	3300 7,100	*4050 *8,900	2900 6,400	6650 21'9"



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.

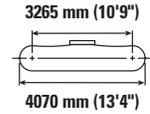
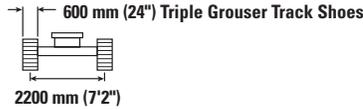
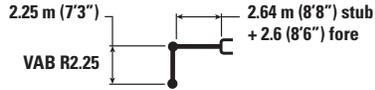
Lift capacity stays with ±5% for all available track shoes.

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

Max length of VAB.

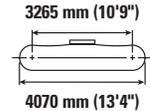
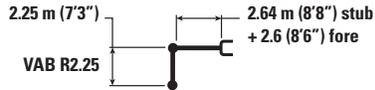
319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		3265 mm (10'9") 4070 mm (13'4")		mm (ft'inch")
7500 mm 25'0"	kg lb	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	kg lb	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	kg lb	*8700 *17,900	*8700 *17,900	*6400 *13,850	5950 12,750	*4850 *10,550	3800 8,100	*3250 *7,200	3000 6,650	6880 22'6"
3000 mm 10'0"	kg lb			*7750 *16,600	5500 11,900	*5250 *11,250	3650 7,800	*3250 *7,200	2700 5,900	7310 23'11"
1500 mm 5'0"	kg lb			8400 18,100	5150 11,100	5450 11,700	3450 7,450	*3450 *7,550	2550 5,650	7410 24'4"
0 mm 0 in	kg lb			8200 17,600	5000 10,700	5300 11,450	3350 7,250	*3800 *8,350	2650 5,800	7200 23'8"
-1500 mm -5'0"	kg lb	*8450 *18,500	*8450 *18,500	*7250 *15,650	4950 10,650	*5250 *11,200	3350 7,200	*4050 *8,900	2950 6,500	6650 21'9"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		3265 mm (10'9") 4070 mm (13'4")		mm (ft'inch")
7500 mm 25'0"	kg lb	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	kg lb	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	kg lb	*8700 *17,900	*8700 *17,900	*6400 *13,850	6100 13,150	*4850 *10,550	3900 8,400	*3250 *7,200	3100 6,900	6880 22'6"
3000 mm 10'0"	kg lb			*7750 *16,600	5700 12,300	*5250 *11,250	3750 8,050	*3250 *7,200	2800 6,100	7310 23'11"
1500 mm 5'0"	kg lb			8700 18,650	5350 11,500	5600 12,050	3600 7,750	*3450 *7,550	2650 5,850	7410 24'4"
0 mm 0 in	kg lb			8500 18,200	5150 11,100	5500 11,800	3500 7,500	*3800 *8,350	2750 6,050	7200 23'8"
-1500 mm -5'0"	kg lb	*8450 *18,500	*8450 *18,500	*7250 *15,650	5150 11,050	*5250 *11,200	3500 7,500	*4050 *8,900	3050 6,750	6650 21'9"



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.

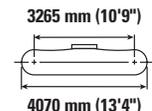
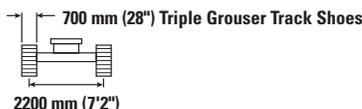
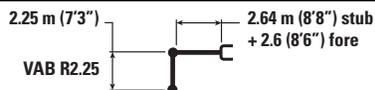
Lift capacity stays with ±5% for all available track shoes.

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

Max length of VAB.

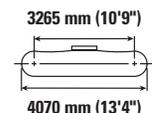
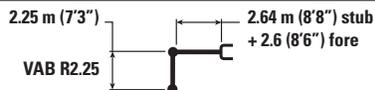
319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"				mm (ft'inch")
7500 mm 25'0"	kg lb	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	kg lb	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	kg lb	*8700 *17,900	*8700 *17,900	*6400 *13,850	6000 12,900	*4850 *10,550	3850 8,250	*3250 *7,200	3050 6,750	6880 22'6"
3000 mm 10'0"	kg lb			*7750 *16,600	5600 12,050	*5250 *11,250	3700 7,900	*3250 *7,200	2700 6,000	7310 23'11"
1500 mm 5'0"	kg lb			8550 18,350	5250 11,250	5500 11,850	3500 7,550	*3450 *7,550	2600 5,750	7410 24'4"
0 mm 0 in	kg lb			8300 17,850	5050 10,850	5400 11,600	3400 7,350	*3800 *8,350	2700 5,900	7200 23'8"
-1500 mm -5'0"	kg lb	*8450 *18,500	*8450 *18,500	*7250 *15,650	5050 10,850	*5250 *11,200	3400 7,350	*4050 *8,900	3000 6,600	6650 21'9"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



		3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"				mm (ft'inch")
7500 mm 25'0"	kg lb	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	kg lb	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	kg lb	*8700 *17,900	*8700 *17,900	*6400 *13,850	6150 13,200	*4850 *10,550	3950 8,450	*3250 *7,200	3150 6,950	6880 22'6"
3000 mm 10'0"	kg lb			*7750 *16,600	5750 12,350	*5250 *11,250	3800 8,100	*3250 *7,200	2800 6,150	7310 23'11"
1500 mm 5'0"	kg lb			8750 18,800	5350 11,550	5650 12,150	3600 7,800	*3450 *7,550	2700 5,900	7410 24'4"
0 mm 0 in	kg lb			8550 18,350	5200 11,150	5550 11,900	3500 7,550	*3800 *8,350	2750 6,050	7200 23'8"
-1500 mm -5'0"	kg lb	*8450 *18,500	*8450 *18,500	*7250 *15,650	5150 11,150	5200 *11,200	3500 7,550	*4050 *8,900	3100 6,800	6650 21'9"



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.

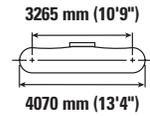
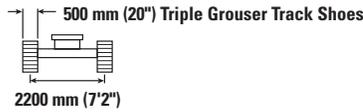
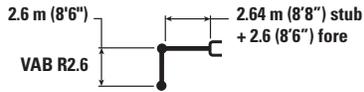
Lift capacity stays with ±5% for all available track shoes.

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

Max length of VAB.

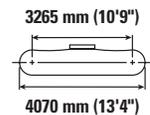
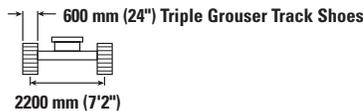
319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
9000 mm 30'0"	kg lb									*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"	kg lb	*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"	kg lb	*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *8,950	3850 8,150			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"	kg lb	*6100 *12,950	*6100 *12,950	*6100 *13,150	5900 12,700	*4700 *10,100	3750 8,050			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"	kg lb			*7300 *15,650	5500 11,850	*5050 *10,850	3600 7,700	*3700 *6,300	2550 5,450	*2750 *6,050	2450 5,400	7640 25'0"
1500 mm 5'0"	kg lb			8300 17,850	5100 11,000	5350 11,500	3400 7,350	3850 8,250	2500 5,300	*2900 *6,350	2350 5,200	7740 25'5"
0 mm 0 in	kg lb	*5500 *12,650	*5500 *12,650	8050 17,300	4900 10,500	5200 11,200	3300 7,050	*3600	2450	*3200 *7,000	2400 5,300	7540 24'9"
-1500 mm -5'0"	kg lb	*9700 *21,100	9100 19,500	*7700 *16,700	4850 10,400	5150 11,100	3250 7,000			*3750 *8,250	2650 5,900	7010 23'0"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
9000 mm 30'0"	kg lb									*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"	kg lb	*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"	kg lb	*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *8,950	3900 8,300			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"	kg lb	*6100 *12,950	*6100 *12,950	*6100 *13,150	6000 12,950	*4700 *10,100	3800 8,200			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"	kg lb			*7300 *15,650	5600 12,050	*5050 *10,850	3650 7,850	*3700 *6,300	2600 5,550	*2750 *6,050	2500 5,500	7640 25'0"
1500 mm 5'0"	kg lb			8450 18,200	5200 11,200	5450 11,700	3500 7,500	3900 8,400	2550 5,400	*2900 *6,350	2400 5,300	7740 25'5"
0 mm 0 in	kg lb	*5500 *12,650	*5500 *12,650	8200 17,600	5000 10,700	5300 11,400	3350 7,200	*3600	2500	*3200 *7,000	2450 5,400	7540 24'9"
-1500 mm -5'0"	kg lb	*9700 *21,100	9250 19,850	*7700 *16,700	4900 10,600	5250 11,350	3300 7,150			*3750 *8,250	2750 6,000	7010 23'0"



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.

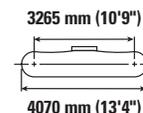
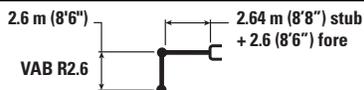
Lift capacity stays with ±5% for all available track shoes.

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

Max length of VAB.

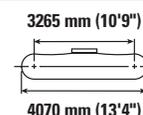
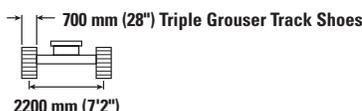
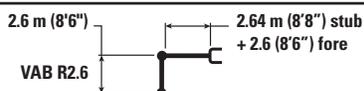
319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
9000 mm 30'0"	kg lb									*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"	kg lb	*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"	kg lb	*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *8,950	4000 8,600			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"	kg lb	*6100 *12,950	*6100 *12,950	*6100 *13,150	*6100 *13,150	*4700 *10,100	3950 8,450			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"	kg lb			*7300 *15,650	5800 12,450	*5050 *10,850	3800 8,150	*3700 *6,300	2700 5,750	*2750 *6,050	2600 5,750	7640 25'0"
1500 mm 5'0"	kg lb			8750 18,800	5400 11,600	*5550 *11,950	3600 7,750	4050 *8,500	2600 5,600	*2900 *6,350	2500 5,500	7740 25'5"
0 mm 0 in	kg lb	*5500 *12,650	*5500 *12,650	8500 18,200	5150 11,100	5500 11,800	3500 7,500	*3600	2600	*3200 *7,000	2550 5,600	7540 24'9"
-1500 mm -5'0"	kg lb	*9700 *21,100	9600 20,550	*7700 *16,700	5100 10,950	5450 11,700	3450 7,400			*3750 *8,250	2850 6,200	7010 23'0"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
9000 mm 30'0"	kg lb									*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"	kg lb	*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"	kg lb	*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *8,950	3950 8,400			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"	kg lb	*6100 *12,950	*6100 *12,950	*6100 *13,150	6100 13,100	*4700 *10,100	3900 8,300			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"	kg lb			*7300 *15,650	5650 12,200	*5050 *10,850	3700 7,950	*3700 *6,300	2650 5,600	*2750 *6,050	2550 5,600	7640 25'0"
1500 mm 5'0"	kg lb			8600 18,450	5300 11,350	5550 11,900	3550 7,600	4000 *8,500	2550 5,500	*2900 *6,350	2450 5,350	7740 25'5"
0 mm 0 in	kg lb	*5500 *12,650	*5500 *12,650	8350 17,850	5050 10,850	5400 11,600	3400 7,300	*3600	2550	*3200 *7,000	2500 5,500	7540 24'9"
-1500 mm -5'0"	kg lb	*9700 *21,100	9400 20,150	*7700 *16,700	5000 10,750	5350 11,500	3350 7,250			*3750 *8,250	2750 6,100	7010 23'0"



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.

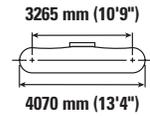
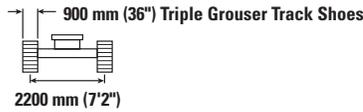
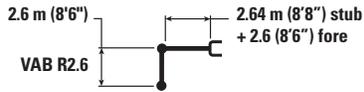
Lift capacity stays with ±5% for all available track shoes.

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

Max length of VAB.

319 Hydraulic Excavator Specifications

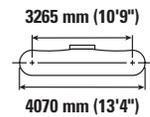
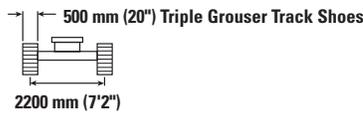
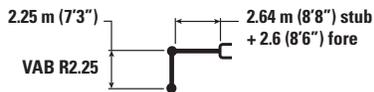
Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		mm (ft'inch")		
		ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	mm	(ft'inch")	
9000 mm 30'0"	kg lb									*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"	kg lb	*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"	kg lb	*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *9,950	4050 8,650			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"	kg lb	*6100 *12,950	*6100 *12,950	*6100 *13,150	*6100 *13,150	*4700 *10,100	3950 8,500			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"	kg lb			*7300 *15,650	5800 12,500	*5050 *10,850	3800 8,200	*3700 *6,300	2700 5,800	*2750 *6,050	2600 5,750	7640 25'0"
1500 mm 5'0"	kg lb			8800 18,900	5400 11,650	*5550 *11,950	3650 7,800	4100 *8,500	2650 5,650	*2900 *6,350	2500 5,550	7740 25'5"
0 mm 0 in	kg lb	*5500 *12,650	*5500 *12,650	8550 18,350	5200 11,150	5550 11,900	3500 7,550	*3600	2600	*3200 *7,000	2600 5,650	7540 24'9"
-1500 mm -5'0"	kg lb	*9700 *21,100	9650 20,700	*7700 *16,700	5150 11,050	5500 11,800	3450 7,450			*3750 *8,250	2850 6,250	7010 23'0"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade



Boom Length	Unit	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		mm (ft'inch")		
		ISO	ISO	ISO	ISO	ISO	ISO	mm	(ft'inch")	
7500 mm 25'0"	kg lb	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	kg lb	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	kg lb	*8700 *17,900	*8700 *17,900	*6400 *13,850	6150 13,200	*4850 *10,550	3950 8,400	*3250 *7,200	3150 6,950	6880 22'6"
3000 mm 10'0"	kg lb			*7750 *16,600	5750 12,350	*5250 *11,250	3750 8,100	*3250 *7,200	2800 6,150	7310 23'11"
1500 mm 5'0"	kg lb			8200 17,650	5350 11,550	5300 11,400	3600 7,750	*3450 *7,550	2700 5,900	7410 24'4"
0 mm 0 in	kg lb			8000 17,200	5200 11,150	5200 11,150	3500 7,550	*3800 *8,350	2750 6,050	7200 23'8"
-1500 mm -5'0"	kg lb	*8450 *18,500	*8450 *18,500	*7250 *15,650	5150 11,100	5200 11,150	3500 7,550	*4050 *8,900	3100 6,800	6650 21'9"



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.

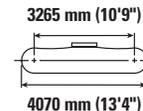
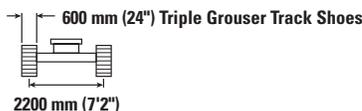
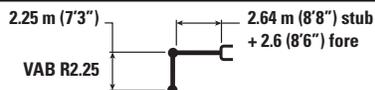
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Max length of VAB.

319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

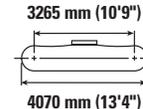
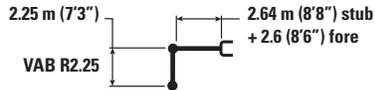
2800 mm (9'2") blade



Boom Length mm ft/inch	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		2800 mm (9'2") blade		mm (ft/inch)
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7500 mm 25'0"	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	*8700 *17,900	*8700 *17,900	*6400 *13,850	6250 13,400	*4850 *10,550	4000 8,550	*3250 *7,200	3200 7,050	6880 22'6"
3000 mm 10'0"			*7750 *16,600	5800 12,550	*5250 *11,250	3850 8,250	*3250 *7,200	2850 6,250	7310 23'11"
1500 mm 5'0"			8400 18,000	5450 11,750	5400 11,600	3700 7,900	*3450 *7,550	2750 6,000	7410 24'4"
0 mm 0 in			8150 17,550	5300 11,350	5300 11,400	3550 7,700	*3800 *8,350	2800 6,150	7200 23'8"
-1500 mm -5'0"	*8450 *18,500	*8450 *18,500	*7250 *15,650	5250 11,300	*5250 *11,200	3550 7,650	*4050 *8,900	3150 6,900	6650 21'9"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade



Boom Length mm ft/inch	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		2800 mm (9'2") blade		mm (ft/inch)
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7500 mm 25'0"	*6300 *13,900	*6300 *13,900	*4600	*4600			*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"	*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800	*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"	*8700 *17,900	*8700 *17,900	*6400 *13,850	6400 13,800	*4850 *10,550	4100 8,850	*3250 *7,200	*3250 *7,200	6880 22'6"
3000 mm 10'0"			*7750 *16,600	6000 12,950	*5250 *11,250	3950 8,500	*3250 *7,200	2950 6,500	7310 23'11"
1500 mm 5'0"			8650 18,600	5650 12,150	5600 12,000	3800 8,200	*3450 *7,550	2850 6,200	7410 24'4"
0 mm 0 in			8450 18,100	5450 11,750	5450 11,750	3700 7,950	*3800 *8,350	2900 6,400	7200 23'8"
-1500 mm -5'0"	*8450 *18,500	*8450 *18,500	*7250 *15,650	5450 11,700	*5250 *11,200	3700 7,950	*4050 *8,900	3250 7,150	6650 21'9"



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.

Max length of VAB.

319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade

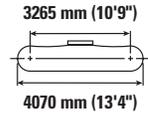
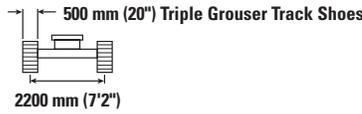
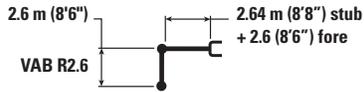


Diagram	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		Diagram		mm (ft'inch")	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
9000 mm 30'0"										*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"		*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"		*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *9,950	4050 8,600			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"		*6100 *12,950	*6100 *12,950	*6100 *13,150	*6100 *13,150	*4700 *10,100	3950 8,500			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"				*7300 *15,650	5800 12,500	*5050 *10,850	3800 8,150	*3700 *6,300	2700 5,750	*2750 *6,050	2600 5,750	7640 25'0"
1500 mm 5'0"				8300 17,800	5400 11,650	5300 11,450	3600 7,800	3800 8,200	2650 5,650	*2900 *6,350	2500 5,500	7740 25'5"
0 mm 0 in		*5500 *12,650	*5500 *12,650	8000 17,200	5200 11,150	5200 11,150	3500 7,500	*3600 7,500	2600 5,700	*3200 *7,000	2600 5,650	7540 24'9"
-1500 mm -5'0"		*9700 *21,100	9650 20,650	*7700 *16,700	5150 11,050	5150 11,050	3450 7,450			*3750 *8,250	2850 6,250	7010 23'0"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade

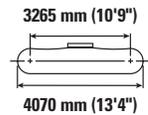
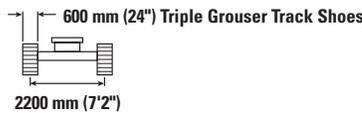


Diagram	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		Diagram		mm (ft'inch")	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
9000 mm 30'0"										*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"		*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"		*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *8,950	4100 8,750			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"		*6100 *12,950	*6100 *12,950	*6100 *13,150	*6100 *13,150	*4700 *10,100	4050 8,650			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"				*7300 *15,650	5900 12,700	*5050 *10,850	3850 8,300	*3700 *6,300	2750 5,900	*2750 *6,050	2650 5,850	7640 25'0"
1500 mm 5'0"				8450 18,100	5500 11,850	5400 11,650	3700 7,950	3900 8,350	2700 5,750	*2900 *6,350	2550 5,600	7740 25'5"
0 mm 0 in		*5500 *12,650	*5500 *12,650	8150 17,550	5300 11,350	5300 11,350	3550 7,650	*3600 7,650	2650 5,700	*3200 *7,000	2650 5,750	7540 24'9"
-1500 mm -5'0"		*9700 *21,100	*9700 *21,100	*7700 *16,700	5200 11,250	5250 11,250	3550 7,600			*3750 *8,250	2900 6,350	7010 23'0"



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.

Max length of VAB.

319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2800 mm (9'2") blade

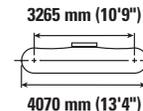


Diagram	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		Diagram		mm (ft'inch")	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
9000 mm 30'0"										*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"		*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"		*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *9,950	4200 *8,950			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"		*6100 *12,950	*6100 *12,950	*6100 *13,150	*6100 *13,150	*4700 *10,100	4150 8,900			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"				*7300 *15,650	6100 13,100	*5050 *10,850	4000 8,600	*3700 *6,300	2850 6,100	*2750 *6,050	2750 6,050	7640 25'0"
1500 mm 5'0"				8700 18,700	5700 12,250	*5550 *11,950	3800 8,200	4050 *8,500	2800 5,950	*2900 *6,350	2650 5,800	7740 25'5"
0 mm 0 in		*5500 *12,650	*5500 *12,650	8450 18,100	5450 11,750	5450 11,750	3700 7,950	*3600 7,950	2750	*3200 *7,000	2700 5,950	7540 24'9"
-1500 mm -5'0"		*9700 *21,100	*9700 *21,100	*7700 *16,700	5400 11,600	5400 11,650	3650 7,850			*3750 *8,250	3000 6,600	7010 23'0"

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2900 mm (9'6") blade

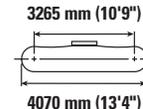
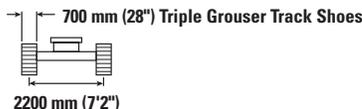
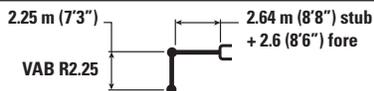


Diagram	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		Diagram		mm (ft'inch")		
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb			
7500 mm 25'0"		*6300 *13,900	*6300 *13,900	*4600	*4600				*4050 *9,100	*4050 *9,100	4600 14'7"
6000 mm 20'0"		*5700 *12,600	*5700 *12,600	*5900 *12,800	*5900 *12,800	*3800	*3800		*3450 *7,650	*3450 *7,650	6050 19'7"
4500 mm 15'0"		*8700 *17,900	*8700 *17,900	*6400 *13,850	6300 13,550	*4850 *10,550	4050 8,700		*3250 *7,200	3250 7,150	6880 22'6"
3000 mm 10'0"				*7750 *16,600	5900 12,700	*5250 *11,250	3900 8,350		*3250 *7,200	2900 6,350	7310 23'11"
1500 mm 5'0"				8500 18,250	5550 11,950	5500 11,800	3750 8,000		*3450 *7,550	2800 6,100	7410 24'4"
0 mm 0 in				8300 17,750	5350 11,500	5350 11,550	3650 7,800		*3800 *8,350	2850 6,250	7200 23'8"
-1500 mm -5'0"		*8450 *18,500	*8450 *18,500	*7250 *15,650	5350 11,500	*5250 *11,200	3600 7,800		*4050 *8,900	3200 7,000	6650 21'9"



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.

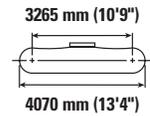
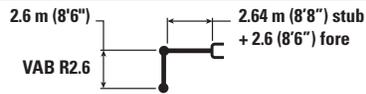
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

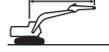
Max length of VAB.

319 Hydraulic Excavator Specifications

Variable Angle Boom Lift Capacities – Counterweight 4.65 mt (10,200 lb) – without Bucket – Heavy Lift: On – with Blade Up

2900 mm (9'6") blade



	3000 mm/10'0"		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"				mm (ft'inch")	
												
9000 mm 30'0"	kg lb									*5150 *12,750	*5150 *12,750	2440 6'4"
7500 mm 25'0"	kg lb	*5350 *11,850	*5350 *11,850	*4850 *10,100	*4850 *10,100					*3350 *7,450	*3350 *7,450	5120 16'4"
6000 mm 20'0"	kg lb	*4750 *10,500	*4750 *10,500	*5250 *11,500	*5250 *11,500	*4450 *8,950	4150 8,850			*2900 *6,400	*2900 *6,400	6450 20'11"
4500 mm 15'0"	kg lb	*6100 *12,950	*6100 *12,950	*6100 *13,150	*6100 *13,150	*4700 *10,100	4100 8,750			*2750 *6,050	*2750 *6,050	7230 23'8"
3000 mm 10'0"	kg lb			*7300 *15,650	6000 12,900	*5050 *10,850	3900 8,400	*3700 *6,300	2800 5,950	*2750 *6,050	2700 5,950	7640 25'0"
1500 mm 5'0"	kg lb			8550 18,350	5600 12,000	5500 11,800	3750 8,050	3950 8,500	2750 5,850	*2900 *6,350	2600 5,700	7740 25'5"
0 mm 0 in	kg lb	*5500 *12,650	*5500 *12,650	8300 17,800	5350 11,500	5350 11,500	3600 7,800	*3600	2700	*3200 *7,000	2650 5,850	7540 24'9"
-1500 mm -5'0"	kg lb	*9700 *21,100	*9700 *21,100	*7700 *16,700	5300 11,400	5300 11,450	3600 7,700			*3750 *8,250	2950 6,450	7010 23'0"

* 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.

Max length of VAB.

319 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	4.65 mt (10,200 lb) Counterweight										
		Width		Capacity		Weight		Fill	Reach Boom		VA Boom	
		mm	in	m ³	yd ³	kg	lb		%	R2.6 (8'6")	R3.1 (10'2")	R2.25 (7'5")
Pin-On (No Quick Coupler)												
General Duty	316	1300	51	1.00	1.31	695	1,532	100	⊙	⊙	⊙	⊖
	316	600	24	0.35	0.46	440	969	100	●	●	●	●
	316	900	36	0.62	0.81	546	1,203	100	●	●	●	●
	316	1200	48	0.91	1.19	658	1,450	100	●	⊙	●	⊙
Ditch Cleaning	316	2000	78	0.94	1.23	723	1,594	100	●	⊙	●	⊙
Ditch Cleaning – Tilt	316	2000	79	0.86	1.12	1,028	2,266	100	⊙	⊖	⊙	⊖
Maximum load with pin-on (payload + bucket)								kg	2670	2450	2600	2400
								lb	5,888	5,392	5,735	5,299
With Cat Pin Grabber Coupler												
General Duty	316	1300	51	1.00	1.31	695	1,532	100	⊙	⊖	⊖	⊖
	316	600	24	0.35	0.46	440	969	100	●	●	●	●
	316	900	36	0.62	0.81	546	1,203	100	●	●	●	●
	316	1200	48	0.91	1.19	658	1,450	100	⊙	⊙	⊙	⊖
Ditch Cleaning	316	2000	78	0.94	1.23	723	1,594	100	⊙	⊖	⊙	⊖
Ditch Cleaning – Tilt	316	2000	79	0.86	1.12	1,028	2,266	100	⊖	○	⊖	○
Maximum load with coupler (payload + bucket)								kg	2471	2246	2402	2204
								lb	5,448	4,952	5,295	4,858
With CW30 Coupler												
General Duty	316	600	24	0.35	0.46	439	967	100	●	●	●	●
	316	750	30	0.49	0.64	475	1,047	100	●	●	●	●
	316	900	36	0.62	0.81	534	1,177	100	●	●	●	●
	316	1100	43	0.80	1.04	593	1,307	100	●	●	●	⊙
	316	1200	48	0.90	1.18	646	1,423	100	●	⊙	⊙	⊙
	316	1300	51	1.00	1.31	677	1,492	100	⊙	⊖	⊖	⊖
Heavy Duty	316	1300	51	1.00	1.31	694	1,529	100	⊙	⊖	⊖	⊖
General Duty – Leveling Edge	316	996	39.2	0.70	0.93	586	1,291	100	●	●	●	●
	316	1200	47	0.91	1.19	672	1,481	100	⊙	⊙	⊙	⊖
	316	690	27	0.47	0.61	476	1,049	100	●	●	●	●
	316	790	31	0.56	0.73	509	1,122	100	●	●	●	●
	316	1400	55	1.09	1.43	738	1,626	100	⊖	○	⊖	○
Ditch Cleaning	316	1800	72	1.10	1.44	646	1,423	100	⊖	⊖	⊖	○
	316	1800	72	1.24	1.62	678	1,496	100	⊖	○	○	○
	316	2100	82	1.45	1.90	760	1,675	100	○	◇	◇	◇
Ditch Cleaning – Tilt	316	1800	72	0.78	1.02	1,048	2,310	100	⊙	⊖	⊙	⊖
	316	2000	79	0.86	1.13	1,111	2,449	100	⊖	○	⊖	○
Maximum load with coupler (payload + bucket)								kg	2453	2228	2383	2185
								lb	5,408	4,911	5,254	4,818

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007. Bucket weight with General Duty tips.

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.

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

319 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility (continued)

	Linkage	Width		Capacity		Weight		Fill	4.65 mt (10,200 lb) Counterweight			
		mm	in	m ³	yd ³	kg	lb		Reach Boom		VA Boom	
									R2.6 (8'6")	R3.1 (10'2")	R2.25 (7'5")	R2.6 (8'6")
With CW30S Coupler												
General Duty	316	600	24	0.35	0.46	423	932	100	●	●	●	●
	316	750	30	0.49	0.64	471	1,038	100	●	●	●	●
	316	900	36	0.62	0.81	534	1,177	100	●	●	●	●
	316	1100	43	0.80	1.04	593	1,307	100	●	●	●	●
	316	1200	48	0.91	1.18	646	1,423	100	●	⊙	⊙	⊙
	316	1300	51	1.00	1.31	677	1,492	100	⊙	⊖	⊙	⊖
	316	1400	55	1.09	1.43	707	1,558	100	⊖	⊖	⊖	○
Heavy Duty	316	1200	48	0.91	1.18	663	1,461	100	●	⊙	⊙	⊙
	316	1300	51	1.00	1.31	695	1,531	100	⊙	⊖	⊙	⊖
Ditch Cleaning – Tilt	316	2000	79	0.86	1.13	1,092	2,407	100	⊖	○	⊖	○
Maximum load with coupler (payload + bucket)								kg	2488	2263	2418	2220
								lb	5,485	4,989	5,332	4,895
S60, TRS17 S60												
Grading – General Duty	316	1600	63	0.80	1.05	551	1215	100	⊖	○	⊖	○
Digging – General Duty	316	1100	43	0.70	0.92	559	1232	100	⊙	⊖	⊙	⊖
	316	1100	43	0.80	1.05	580	1279	100	⊖	○	⊖	○
Trenching – General Duty	316	540	20	0.35	0.46	283	624	100	●	●	●	●
Maximum load with coupler (payload + bucket)								kg	1871	1646	1801	1603
								lb	4,125	3,628	3,971	3,535
S60, TRS17 with Grapple Module S60												
Grading – General Duty	316	1600	63	0.80	1.05	551	1215	100	⊖	○	⊖	○
Digging – General Duty	316	1100	43	0.70	0.92	559	1232	100	⊙	○	⊖	○
	316	1100	43	0.80	1.05	580	1279	100	⊖	○	○	○
Trenching – General Duty	316	540	20	0.35	0.46	283	624	100	●	●	●	●
Maximum load with coupler (payload + bucket)								kg	1767	1542	1697	1499
								lb	3,895	3,399	3,742	3,306

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007. Bucket weight with General Duty tips.

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.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³) ◇ 900 kg/m³ (1,500 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³) X Not Recommended

319 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility (continued)

	Linkage	4.65 mt (10,200 lb) Counterweight										
		Width		Capacity		Weight		Fill	Reach Boom		VA Boom	
		mm	in	m ³	yd ³	kg	lb		%	R2.6 (8'6")	R3.1 (10'2")	R2.25 (7'5")
HCS60, TRS17 S60												
Grading – General Duty	316	1600	63	0.80	1.05	551	1215	100	⊖	○	⊖	○
Digging – General Duty	316	1100	43	0.70	0.92	559	1232	100	⊙	⊖	⊙	⊖
	316	1100	43	0.80	1.05	580	1279	100	⊖	○	⊖	○
Trenching – General Duty	316	540	20	0.35	0.46	283	624	100	●	●	●	●
Maximum load with coupler (payload + bucket)								kg	1826	1601	1756	1558
								lb	4,025	3,529	3,872	3,436
HCS60, TRS17 HCS60												
Grading – General Duty	316	1600	63	0.80	1.05	551	1215	100	⊖	○	⊖	○
Digging – General Duty	316	1100	43	0.70	0.92	559	1232	100	⊙	⊖	⊖	○
	316	1100	43	0.80	1.05	580	1279	100	⊖	○	⊖	○
Trenching – General Duty	316	540	20	0.35	0.46	283	624	100	●	●	●	●
Maximum load with coupler (payload + bucket)								kg	1807	1582	1737	1539
								lb	3,984	3,487	3,830	3,394
Pin-On, TRS17 S60												
Grading – General Duty	316	1600	63	0.80	1.05	551	1215	100	⊙	⊖	⊙	⊖
Digging – General Duty	316	1100	43	0.70	0.92	559	1232	100	●	⊙	●	⊙
	316	1100	43	0.80	1.05	580	1279	100	⊙	⊖	⊙	⊖
Trenching – General Duty	316	540	20	0.35	0.46	283	624	100	●	●	●	●
Maximum load with pin-on (payload + bucket)								kg	2027	1802	1957	1759
								lb	4,469	3,972	4,315	3,879
HCS65, TRS17 HCS65												
Grading – General Duty	316	1600	63	0.80	1.05	573	1263	100	○	◇	○	◇
Digging – General Duty	316	1100	43	0.70	0.92	581	1281	100	⊖	○	⊖	○
	316	1100	43	0.80	1.05	601	1325	100	○	◇	○	◇
Trenching – General Duty	316	540	21	0.35	0.46	304	670	100	●	●	●	●
Maximum load with coupler (payload + bucket)								kg	1679	1454	1609	1411
								lb	3,701	3,205	3,548	3,112

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007. Bucket weight with General Duty tips.

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.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³) ○ 1200 kg/m³ (2,000 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³) ◇ 900 kg/m³ (1,500 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³) X Not Recommended

319 Hydraulic Excavator Specifications

Attachments Offering Guide

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

<input checked="" type="checkbox"/> Match	<input type="checkbox"/> * Working range front only	<input type="checkbox"/> No Match	<input checked="" type="checkbox"/> 1800 kg/m ³ (3,000 lb/yd ³)	<input type="checkbox"/> 1200 kg/m ³ (2,000 lb/yd ³)	<input type="checkbox"/> 600 kg/m ³ (1,000 lb/yd ³)
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PIN-ON ATTACHMENTS

Boom Type	Stick Length	Reach		VA	
		2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
Multi-Processors	MP318 Concrete Cutter Jaw	✓			
	MP318 Demolition Jaw	✓			
	MP318 Pulverizer Jaw	✓			
	MP318 Shear Jaw	✓	✓		
	MP318 Tank Shear Jaw	✓			
	MP318 Universal Jaw	✓			
Demolition and Sorting Grapples	G313 GC	✓	✓	✓	✓
	G314	✓	✓	✓	✓
	G317 GC	✓	✓	✓	✓
	G318	✓	✓		
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓	✓	✓	✓
Pulverizers	P214 Secondary Pulverizer	✓	✓	✓	✓
	P218 Secondary Pulverizer	✓			
	P318 Primary Pulverizer	✓			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓
Orange Peel Grapples	GSH420-500	●	●	●	●
	GSH420-600	●	●	●	●
	GSH420-750	●	○	●	○
	GSH520-500	●	●	●	●
	GSH520-600	●	○	●	○
	GSH520-750	○	○	○	○
	GSV420-400	●	●	●	●
	GSV420-500	●	●	●	●
	GSV420-600	●	●	●	●
	GSV420-750	●	○	●	○
	GSV420-1250	◇	◇	◇	◇
	GSV520-400	●	●	●	●
	GSV520-500	●	●	●	●
	GSV520-600	●	●	●	●
	GSV520-750	○	○	○	○
GSV520-1250	◇	◇	◇	◇	
Rotary Cutters	RC15	✓	✓	✓	✓
	RC20	✓	✓	✓	✓

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319 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
 No Match
 1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)
 600 kg/m³ (1,000 lb/yd³)

CAT® PIN GRABBER COUPLER ATTACHMENTS

Boom Type	Stick Length		Reach		VA	
			2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers		H110 S	✓	✓	✓	✓
		H115 GC S	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓
		H120 S	✓	✓	✓	✓
Demolition and Sorting Grapples		G313 GC	✓	✓	✓	✓
		G314	✓	✓	✓	✓
		G317 GC	✓			
Mobile Scrap and Demolition Shears		S3015 Flat Top	✓	✓	✓	✓
Pulverizers		P214 Secondary Pulverizer	✓	✓		
Compactors (Vibratory Plate)		CVP75	✓	✓	✓	✓
Rotary Cutters		RC15	✓	✓	✓	✓
		RC20	✓	✓	✓	✓

CW-30S DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length		Reach		VA	
			2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers		H110 S	✓	✓	✓	✓
		H115 GC S	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓
		H120 S	✓	✓		
Multi-Processors		MP318 Concrete Cutter Jaw	✓			
		MP318 Demolition Jaw	✓			
		MP318 Shear Jaw	✓			
Demolition and Sorting Grapples		G313 GC	✓	✓	✓	✓
		G314	✓	✓	✓	✓
		G317 GC	✓	✓		
		G318	✓			
Mobile Scrap and Demolition Shears		S3015 Flat Top	✓	✓	✓	✓
Pulverizers		P214 Secondary Pulverizer	✓	✓		
Compactors (Vibratory Plate)		CVP75	✓	✓	✓	✓
Rotary Cutters		RC15	✓	✓	✓	✓
		RC20	✓	✓	✓	✓

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319 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
 No Match
 1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)
 600 kg/m³ (1,000 lb/yd³)

CW-30 DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length		Reach		VA	
			2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers		H110 S	✓	✓	✓	✓
		H115 GC S	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓
		H120 S	✓	✓		
Multi-Processors		MP318 Concrete Cutter Jaw	✓			
		MP318 Demolition Jaw	✓			
		MP318 Shear Jaw	✓			
Demolition and Sorting Grapples		G313 GC	✓	✓	✓	✓
		G313 GC Fixed CAN	✓	✓	✓	✓
		G314	✓	✓	✓	✓
		G317 GC	✓	✓	✓	✓
		G317 GC Fixed CAN	✓	✓		
		G318 GC	✓			
		G318 GC Fixed CAN	✓			
Mobile Scrap and Demolition Shears		S3015 Flat Top	✓	✓	✓	✓
Pulverizers		P214 Secondary Pulverizer	✓	✓	✓	✓
Compactors (Vibratory Plate)		CVP75	✓	✓	✓	✓
Rotary Cutters		RC15	✓	✓	✓	✓
		RC20	✓	✓	✓	✓

HCCW30 DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length		Reach		VA	
			2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers		H110 S	✓	✓	✓	✓
		H115 GC S	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓
		H120 S	✓			
Demolition and Sorting Grapples		G313 GC	✓	✓	✓	✓
		G314	✓	✓		
Mobile Scrap and Demolition Shears		S3015 Flat Top	✓	✓		
Pulverizers		P214 Secondary Pulverizer	✓			
Compactors (Vibratory Plate)		CVP75	✓	✓	✓	✓
Rotary Cutters		RC15	✓	✓	✓	✓
		RC20	✓	✓	✓	✓

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319 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
 No Match
 1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)
 600 kg/m³ (1,000 lb/yd³)

S60 DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length		Reach		VA	
			2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers		H110 S	✓	✓	✓	✓
		H115 GC S	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓
		H120 S	✓	✓		
Multi-Processors		MP318 Concrete Cutter Jaw	✓			
		MP318 Demolition Jaw	✓			
		MP318 Shear Jaw	✓			
		MP318 Universal Jaw	✓			
Demolition and Sorting Grapples		G313 GC	✓	✓	✓	✓
		G314	✓	✓	✓	✓
		G317 GC	✓	✓		
		G318	✓			
Mobile Scrap and Demolition Shears		S3015 Flat Top	✓	✓	✓	✓
Pulverizers		P214 Secondary Pulverizer	✓	✓		
Compactors (Vibratory Plate)		CVP75	✓	✓	✓	✓
Rotary Cutters		RC15	✓	✓	✓	✓
		RC20	✓	✓	✓	✓

HCS60 DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length		Reach		VA	
			2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers		H110 S	✓	✓	✓	✓
		H115 S	✓	✓	✓	✓
		H120 S	✓	✓	✓	✓
Demolition and Sorting Grapples		G313 GC	✓	✓	✓	✓
		G314	✓	✓	✓	✓
		G317 GC	✓	✓		
		G318	✓			
Mobile Scrap and Demolition Shears		S3015 Flat Top	✓	✓	✓	✓
Pulverizers		P214 Secondary Pulverizer	✓	✓		
Compactors (Vibratory Plate)		CVP75	✓	✓	✓	✓

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319 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
 No Match
 1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)
 600 kg/m³ (1,000 lb/yd³)

HCS65 DEDICATED COUPLER ATTACHMENTS

Boom Type	Stick Length	Reach		VA	
		2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
	H120 S	✓	✓	✓	✓
Demolition and Sorting Grapples	G313 GC	✓	✓	✓	✓
	G314	✓	✓	✓	✓
	G317 GC	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓	✓	✓	✓
Pulverizers	P214 Secondary Pulverizer	✓	✓		
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓
Rotary Cutters	RC15	✓	✓	✓	✓
	RC20	✓	✓	✓	✓

TRS17 (PIN-ON TOP / S60 BOTTOM) ATTACHMENTS

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

Boom Type	Stick Length	Reach		VA	
		2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓
Demolition and Sorting Grapples	G213 GC	✓	✓	✓	✓
	G217 GC	✓			

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.

TRS17 (S60 TOP / S60 BOTTOM) ATTACHMENTS

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

Boom Type	Stick Length	Reach		VA	
		2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 GC S	✓	✓		
	H115 S	✓	✓		
Demolition and Sorting Grapples	G213 GC	✓	✓		

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.

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319 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
 No Match
 1800 kg/m³ (3,000 lb/yd³)
 1200 kg/m³ (2,000 lb/yd³)
 600 kg/m³ (1,000 lb/yd³)

TRS17 (HCS60 TOP/HCS60 BOTTOM) ATTACHMENTS

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

Boom Type	Stick Length	Reach		VA	
		2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 S	✓	✓		

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

TRS17 (HCS65 TOP/HCS65 BOTTOM) ATTACHMENTS

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

Boom Type	Stick Length	Reach		VA	
		2.6 m (8'6")	3.1 m (10'2")	2.25 m (7'5")	2.6 m (8'6")
Hydraulic Hammers	H110 S	✓	✓	✓	✓
	H115 S	✓	✓		

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

BOOM-MOUNT ATTACHMENTS

Boom Type		Reach	VA
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	✓

319 Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOM, STICKS AND LINKAGES			ELECTRICAL SYSTEM		
5.1 m (16'9") Reach Boom		✓	Maintenance-free battery	✓	
2.64 m (8'8") stub + 2.6 (8'6") fore		✓	Centralized electrical disconnect switch	✓	
Variable Angle Boom			Programmable time-delay LED working lights	✓	
2.25 m (7'3") Reach stick for use with Variable Angle Boom		✓	LED chassis and left-side boom light – 1,800 lumens	✓	
2.6 m (8'6") Reach stick		✓	LED right-side boom light and cab lights – 1,800 lumens		✓
3.1 m (10'2") Reach stick		✓	360° lighting		✓
Bucket linkage, without lifting eye, Cat® Grade	✓		ENGINE		
CAT TECHNOLOGY			Cat C3.6 single turbo diesel engine	✓	
Cat Equipment Management:			Three selectable modes: Power, Smart, Eco	✓	
VisionLink™	✓ ¹		One-touch low idle with automatic engine speed control	✓	
Remote Flash	✓		Automatic engine idle shutdown	✓	
Remote Troubleshoot	✓		Cold start capability down to –25°C (–13°F)	✓	
Work tool recognition and tracking (PL161)	✓		Single fuel filtration system with water separator and indicator	✓	
Operator Coaching		✓ ³	Sealed double element air filter with integrated pre-cleaner	✓	
Cat Grade:			Electric fuel priming pump	✓	
Cat Grade with 2D	✓		Electric cooling fans	✓	
Cat Grade with 2D with Attachment Ready Option (ARO)		✓			
Laser catcher		✓			
Cat Grade with 3D (single or dual GNSS)		✓			
Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓				
Cat Grade 3D Ready		✓			
Cat Grade Connectivity		✓ ²			
Cat Assist:					
Grade Assist	✓				
Boom Assist	✓				
Bucket Assist	✓				
Swing Assist	✓				
Lift Assist	✓				
Cat Payload:					
On-the-go weighing	✓				
Semiautomatic calibration	✓				
Payload/cycle information	✓				
VisionLink back office reporting		✓ ²			
Cat Advanced Payload:					
Daily totals		✓			
Custom lists		✓			
Smart weight target		✓			
E-ticket integration		✓ ²			
Other:					
Cat Tiltrotator (TRS) integration		✓			

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¹Provides 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.

²VisionLink subscription required. Consult your Cat dealer for details.

³VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
HYDRAULIC SYSTEM			SERVICE AND MAINTENANCE		
Electronic main control valve	✓		Grouped engine oil and fuel filters	✓	
Single type electronic main pump	✓		Ground-level engine oil dipstick	✓	
Boom and stick regeneration circuits	✓		Scheduled Oil Sampling (S·O·S SM) ports	✓	
Boom and stick drift reduction valve	✓		Integrated vehicle health management system	✓	
Boom and stick lowering check valves		✓	UNDERCARRIAGE AND STRUCTURES		
Automatic hydraulic oil warm up	✓		500 mm (20") triple grouser track shoes		✓
Automatic two-speed travel	✓		600 mm (24") triple grouser track shoes		✓
Element type main hydraulic filter	✓		600 mm (24") triple grouser track shoes with rubber pad		✓
Auto heavy lift	✓		700 mm (28") triple grouser track shoes with additional steps		✓
Hydraulic efficiency monitoring		✓	900 mm (35") triple grouser track shoes		✓
SAFETY AND SECURITY			Grease-lubricated track link	✓	
Cat Detect – People Detection		✓	Center track guiding guard	✓	
Rear and right-side-view cameras	✓		Bottom without swivel guard	✓	
360° visibility		✓	Travel motor guards	✓	
Ground-level accessible secondary engine shutoff switch in cab	✓		4.65 mt (10,200 lb) counterweight	✓	
Lockable disconnect switch	✓		Tie-down points	✓	
Service platform with anti-skid plate and countersunk bolts	✓		2800 mm (9'2") blade		✓
Signaling/warning horn	✓		2900 mm (9'6") blade		✓
Swing alarm		✓	¹ 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.		
Hydraulic lock out lever	✓		² VisionLink subscription required. Consult your Cat dealer for details.		
Inspection lighting		✓	³ VisionLink subscription required for back office reporting. Consult your Cat dealer for details.		
2D E-Fence:	✓				
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Auto hammer stop	✓				

319 Cab Options

Cab Options

	Deluxe	Premium (2 piece windshield)	Premium (1 piece windshield)
Rollover Protective Structure (ROPS)	●	●	●
Operator Protective Guards (OPG)	○	○	○
High-resolution 254 mm (10") LCD touchscreen monitor	●	●	●
Auto bi-level air conditioner	●	●	●
Jog dial and shortcut keys for monitor control	●	●	●
Keyless push-to-start engine control	●	●	●
Height-adjustable console	●	●	●
Tilt-up left-side console	●	●	●
Heated air-suspension seat	●	X	X
Heated and ventilated air-suspension seat	X	●	●
51 mm (2") seat belt	●	●	●
Monitor integrated Bluetooth® radio with USB/Auxiliary ports/DAB	●	●	●
12V DC outlets	●	●	●
Document storage	●	●	●
Overhead storage and rear storage with nets	●	●	●
Beverage holder	●	●	●
Cup holder	●	●	●
Openable two-piece front window	●	●	X
One piece front windshield	X	X	●
Rear window emergency exit	●	●	●
Radial wiper with washer	●	X	X
Parallel wiper	X	●	●
Openable polycarbonate skylight hatch	●	●	X
Laminated roof glass	X	X	●
LED dome light	●	●	●
Floor welcome light	●	●	●
Roof sunscreen	●	●	●
Roller front sunscreen	●	●	●
Roller rear sunscreen	○	●	●
Washable floor mat	●	●	●
Beacon ready	●	●	●
Cat Stick Steer	○	○	○
Auxiliary relay	○	○	○

- Standard
- Optional
- X Not available

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper (deluxe cab only)
- Left-hand and right-hand electrical pedal (two-way) for tool control
- Dual exit rear window kit
- Rain protector for front windshield plus cab light cover
- Front windshield laminated glass (P5A glass, EU demolition regulation)
- Key fob (for use with Bluetooth receiver)

GUARDS

- OPG (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

SAFETY AND SECURITY

- 76 mm (3") retractable seat belt

319 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® C3.6 engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with 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.

* *While Cat engines are compatible with these alternative fuels, some regions may not allow their use.*

** *Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

*** *Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 0.8 kg (1.8 lb) of refrigerant which has a CO₂ equivalent of 1.144 metric tonnes (1.261 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.7 kg (1.5 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 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) – 101 dB(A)

ISO 6396:2008 (internal) – 71 dB(A)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

Oils and Fluids

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

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced hydraulic systems balance power and efficiency
 - Smart mode matches machine power to digging requirements automatically
 - 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
 - Remote Flash and Remote Troubleshoot

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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