



# 313

## Hydraulic Excavator

# Technical Specifications

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

## Table of Contents

<b>Specifications</b> .....	<b>2</b>
Engine .....	2
Swing Mechanism .....	2
Weights .....	2
Track .....	2
Drive .....	2
Air Conditioning System .....	2
Hydraulic System .....	2
Service Refill Capacities .....	2
Standards .....	3
Sound Performance .....	3
Operating Weights and Ground Pressures .....	3
Major Component Weights .....	4
Dimensions .....	5
Working Ranges and Forces .....	7
Blade Working Ranges .....	9
Reach Boom Lift Capacities .....	10
Variable Angle Boom Lift Capacities .....	17
Reach Boom Lift Capacities – Blade Up .....	24
Variable Angle Boom Lift Capacities – Blade Up .....	31
Bucket Specifications and Compatibility:	
Europe .....	39
Australia and New Zealand .....	42
Attachments Offering Guide:	
Europe .....	43
Australia and New Zealand .....	46
<b>Standard and Optional Equipment</b> .....	<b>47</b>
<b>Dealer Installed Kits and Attachments</b> .....	<b>49</b>
<b>Cab Options</b> .....	<b>50</b>
<b>313 Environmental Declaration</b> .....	<b>51</b>

# 313 Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C3.6	
Net Power		
ISO 9249	80.9 kW	108 hp
ISO 9249 (DIN)	110 hp (metric)	
Engine Power		
ISO 14396	82 kW	110 hp
ISO 14396 (DIN)	111 hp (metric)	
Bore	98 mm	4 in
Stroke	120 mm	5 in
Displacement	3.6 L	220 in <sup>3</sup>
Biodiesel Capability	Up to B20 <sup>(1)</sup>	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- No engine power derating required below 3000 m (9,840 ft) altitude.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 2,400 rpm.

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

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

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

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

## Swing Mechanism

Swing Speed	11.5 rpm	
Maximum Swing Torque	35 kN·m	25,741 lbf·ft

## Weights

Operating Weight	13 900 kg	30,600 lb
• Long undercarriage, Reach Boom + R3.0 (9'10") stick, GD 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> ) bucket, 700 mm (28") triple grouser shoes and 2.47 mt (5,445 lb) counterweight.		
Operating Weight	13 300 kg	29,300 lb
• Long undercarriage, Reach boom, R2.5 (8'2") stick, GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) bucket, 500 mm (20") triple grouser shoes and 2.47 mt (5,445 lb) counterweight.		

## Track

Optional Track Shoes Width	500 mm	20 in
Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	770 mm	30 in
Number of Shoes (each side)	46	
Number of Track Rollers (each side)	7	
Number of Carrier Rollers (each side)	2	

## Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.4 km/h	3.4 mph
Maximum Drawbar Pull – Long Undercarriage	117 kN	26,303 lbf

## Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.216 metric tonne.

## Hydraulic System

Main System – Maximum Flow – Implement	247 L/min	65 gal/min
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	26 000 kPa	3,770 psi
Boom Cylinder – Bore	105 mm	4 in
Boom Cylinder – Stroke	1026 mm	40 in
Stick Cylinder – Bore	115 mm	5 in
Stick Cylinder – Stroke	1147 mm	45 in
Bucket Cylinder – Bore	95 mm	4 in
Bucket Cylinder – Stroke	939 mm	37 in

## Service Refill Capacities

Fuel Tank Capacity	258 L	68.2 gal
Cooling System	15 L	4 gal
Engine Oil	8 L	2.1 gal
Final Drive (each)	3 L	0.8 gal
Hydraulic System (including tank)	85 L	22.5 gal
Hydraulic Tank	70 L	18.5 gal
DEF Tank	21 L	5.6 gal

# 313 Hydraulic Excavator Specifications

## Standards

Brakes	ISO 10265:2008
Cab/ROPS	ISO 12117-2:2008
Cab/FOGS	ISO 10262:1998

## Sound Performance

ISO 6395:2008 (external)	100 dB(A)
ISO 6396:2008 (inside cab)	68 dB(A)

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

## Operating Weights and Ground Pressures

Base Machine Configurations	500 mm (20") Triple Grouser Shoes		500 mm (20") TG Shoes with Rubber Pad		500 mm (20") Rubber Track Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>Base Frame with Track Rollers and Carrier Rollers</b>						
<b>2.47 mt (5,445 lb) Counterweight and Long Undercarriage Base Machine</b>						
Reach Boom + R3.0 (9'10") Stick + 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> ) GD Bucket	13 400 (29,500)	40.0 (5.8)	13 900 (30,600)	41.5 (5.9)	13 500 (29,800)	40.3 (5.8)
Variable Angle Boom + R2.2 (7'3") Stick + 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> ) GD Bucket	14 100 (31,100)	42.0 (6.1)	14 600 (32,200)	43.5 (6.3)	14 200 (31,300)	42.3 (6.1)
Reach Boom + R3.0 (9'10") Stick + 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD Bucket**	13 300 (29,300)	39.7 (5.8)	13 800 (30,400)	41.2 (6.0)	13 500 (29,800)	40.3 (5.8)

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

\*\*Australia and New Zealand only

Base Machine Configurations	600 mm (24") Triple Grouser Shoes		600 mm (24") Rubber Track Shoes		700 mm (28") Triple Grouser Shoes		770 mm (30") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>Base Frame with Track Rollers and Carrier Rollers</b>								
<b>2.47 mt (5,445 lb) Counterweight and Long Undercarriage Base Machine</b>								
Reach Boom + R3.0 (9'10") Stick + 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> ) GD Bucket	13 700 (30,200)	34.0 (4.9)	13 800 (30,400)	34.3 (5.0)	13 900 (30,600)	29.6 (4.3)	14 000 (30,900)	27.1 (4.7)
Variable Angle Boom + R2.2 (7'3") Stick + 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> ) GD Bucket	14 400 (31,700)	35.8 (5.2)	14 500 (32,000)	36.0 (5.2)	14 600 (32,200)	31.1 (4.5)	14 700 (32,400)	28.5 (4.7)
Reach Boom + R3.0 (9'10") Stick + 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD Bucket**	13 600 (30,000)	33.8 (4.9)	13 800 (30,400)	34.3 (5.0)	13 800 (30,400)	29.4 (4.3)	—	—

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

\*\*Australia and New Zealand only

# 313 Hydraulic Excavator Specifications

## Major Component Weights

	kg	lb
Base Machine Weight: including upper frame, undercarriage, counterweight, without boom, stick, bucket, boom cylinders, stick cylinder, bucket cylinders, tracks, blade, without 90% fuel tank, operator		
With Long Undercarriage	9150	20,200
With Long Undercarriage (blade compatible)	9450	20,800
With Long Undercarriage for use with Variable Angle Boom	9230	20,300
With Long Undercarriage (blade compatible) for use with Variable Angle Boom	9530	21,000
Track Shoes:		
500 mm (20") Triple Grouser Track Shoes	1540	3,390
500 mm (20") Triple Grouser Track Shoes with Rubber Pad	2050	4,520
500 mm (20") Rubber Track Shoes	1670	3,680
600 mm (24") Triple Grouser Track Shoes	1810	3,990
600 mm (24") Rubber Track Shoes	1970	4,300
700 mm (28") Triple Grouser Track Shoes with Additional Steps	2020	4,450
770 mm (30") Triple Grouser Track Shoes with Additional Steps	2160	4,760
Two Boom Cylinders	240	530
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	270	600
Blades (without lines, cylinders, frame modifications):		
2500 mm (8'2") Blade for use with 500 mm (20") Track Shoes	440	970
2600 mm (8'6") Blade for use with 600 mm (24") Track Shoes	490	1,080
2700 mm (8'10") Blade for use with 700 mm (28") and 770 mm (30") Track Shoes	500	1,100
Counterweight:		
2.47 mt (5,445 lb) Counterweight	2470	5,440
Swing Frame	1240	2,730
Undercarriage:		
Base Frame with Standard Track Rollers and Two Carrier Rollers	2690	5,930
Base Frame with Standard Track Rollers and Two Carrier Rollers (blade compatible)	2980	6,570
Booms (including lines, pins, stick cylinder):		
Reach Boom 4.65 m (15'3")	1030	2,270
Variable Angle Boom (2.4 m [7'8"] Stub + 2.44 [8'0"] Fore)	1590	3,500
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.2 (7'3")	620	1,370
Reach Stick R2.2 (7'3") for use with Variable Angle Boom	680	1,500
Reach Stick R2.5 (8'2")	590	1,300
Reach Stick R2.5 (8'2") for use with Variable Angle Boom	660	1,450
Reach Stick R3.0 (9'10")	650	1,430
Reach Stick R3.0 (9'10") for use with Variable Angle Boom	710	1,570
Buckets (without linkage, with tips and side cutters):		
0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD Bucket*	420	930
0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> ) GD Bucket**	460	1,010
0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> ) GD Bucket	500	1,100
0.76 m <sup>3</sup> (0.99 yd <sup>3</sup> ) GD Bucket	520	1,150
Two Bucket Pins	20	40
Quick Coupler:		
Pin Grabber Quick Coupler	210	460

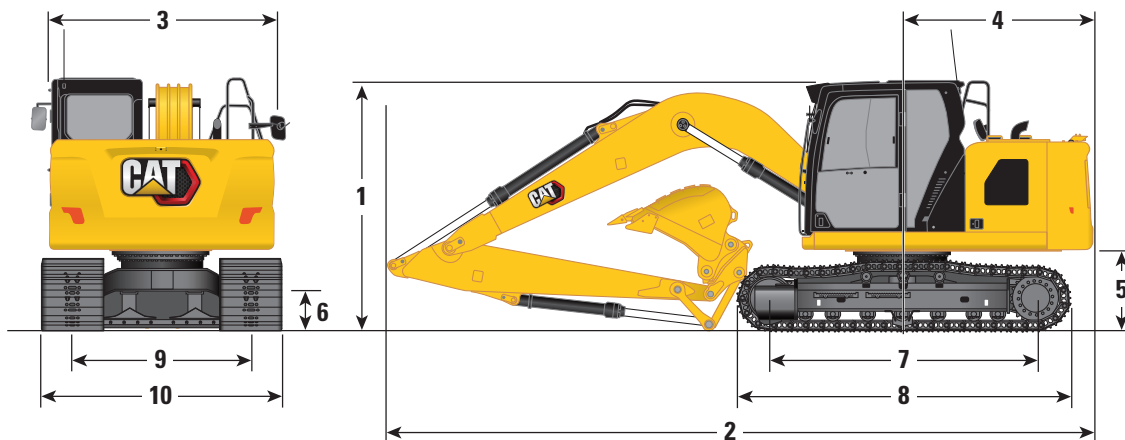
\*Europe only

\*\*Australia and New Zealand only

# 313 Hydraulic Excavator Specifications

## Dimensions

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



### Boom Option

**Reach Boom**  
4.65 m (15'3")

### Stick Options

**Reach Stick**

**R2.2 (7'3")**

**R2.5 (8'2")**

**R3.0 (9'10")**

#### 1 Machine Height:\*

	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Top of Cab Height	2810 mm 9'3"	2810 mm 9'3"	2810 mm 9'3"
Top of FOGS Height	2950 mm 9'8"	2950 mm 9'8"	2950 mm 9'8"
Handrail Height	2810 mm 9'3"	2810 mm 9'3"	2810 mm 9'3"
With Boom/Stick/Bucket Installed (with stick cylinder lines)	2800 mm 9'2"	2890 mm 9'6"	3190 mm 10'6"
With Boom/Stick Installed (with stick cylinder lines)	2800 mm 9'2"	2890 mm 9'6"	3190 mm 10'6"
With Boom Installed (with stick cylinder lines)	2370 mm 7'9"	2370 mm 7'9"	2370 mm 7'9"

#### 2 Machine Length (without blade):

With Boom/Stick/Bucket Installed (with stick cylinder lines)	7680 mm 25'2"	7690 mm 25'3"	7780 mm 25'6"
With Boom/Stick Installed (with stick cylinder lines)	7680 mm 25'2"	7690 mm 25'3"	7780 mm 25'6"
With Boom Installed (with stick cylinder lines)	6890 mm 22'7"	6890 mm 22'7"	6890 mm 22'7"

#### Machine Length (with blade, blade rear):

With Boom/Stick/Bucket Installed (with stick cylinder lines)	7960 mm 26'1"	7970 mm 26'2"	8050 mm 26'5"
With Boom/Stick Installed (with stick cylinder lines)	7960 mm 26'1"	7970 mm 26'2"	8050 mm 26'5"
With Boom Installed (with stick cylinder lines)	7100 mm 23'4"	7100 mm 23'4"	7100 mm 23'4"

#### 3 Upperframe Width

R2.2 (7'3")	2480 mm 8'2"	2480 mm 8'2"	2480 mm 8'2"
-------------	--------------	--------------	--------------

#### 4 Tail Swing Radius – 2.47 mt (5,445 lb) Counterweight

R2.2 (7'3")	2190 mm 7'2"	2190 mm 7'2"	2190 mm 7'2"
-------------	--------------	--------------	--------------

#### 5 Counterweight Clearance

R2.2 (7'3")	915 mm 3'0"	915 mm 3'0"	915 mm 3'0"
-------------	-------------	-------------	-------------

#### 6 Ground Clearance

R2.2 (7'3")	445 mm 1'6"	445 mm 1'6"	445 mm 1'6"
-------------	-------------	-------------	-------------

#### 7 Length to Center of Rollers

R2.2 (7'3")	3040 mm 10'0"	3040 mm 10'0"	3040 mm 10'0"
-------------	---------------	---------------	---------------

#### 8 Overall Track Length

R2.2 (7'3")	3750 mm 12'4"	3750 mm 12'4"	3750 mm 12'4"
-------------	---------------	---------------	---------------

#### 9 Track Gauge

R2.2 (7'3")	1990 mm 6'6"	1990 mm 6'6"	1990 mm 6'6"
-------------	--------------	--------------	--------------

#### 10 Track Width/Undercarriage Width:

500 mm (20") Shoes	2490 mm 8'2"	2490 mm 8'2"	2490 mm 8'2"
600 mm (24") Shoes	2590 mm 8'6"	2590 mm 8'6"	2590 mm 8'6"
700 mm (28") Shoes (with steps)	2690 mm 8'10"	2690 mm 8'10"	2690 mm 8'10"
770 mm (30") Shoes (with steps)	2760 mm 9'1"	2760 mm 9'1"	2760 mm 9'1"

#### Bucket Type

GD GD GD

#### Bucket Capacity\*\*

R2.2 (7'3")	0.68 m <sup>3</sup> 0.89 yd <sup>3</sup>	0.68 m <sup>3</sup> 0.89 yd <sup>3</sup>	0.68 m <sup>3</sup> 0.89 yd <sup>3</sup>
-------------	--	--	--

#### Bucket Tip Radius

R2.2 (7'3")	1240 mm 4'1"	1240 mm 4'1"	1240 mm 4'1"
-------------	--------------	--------------	--------------

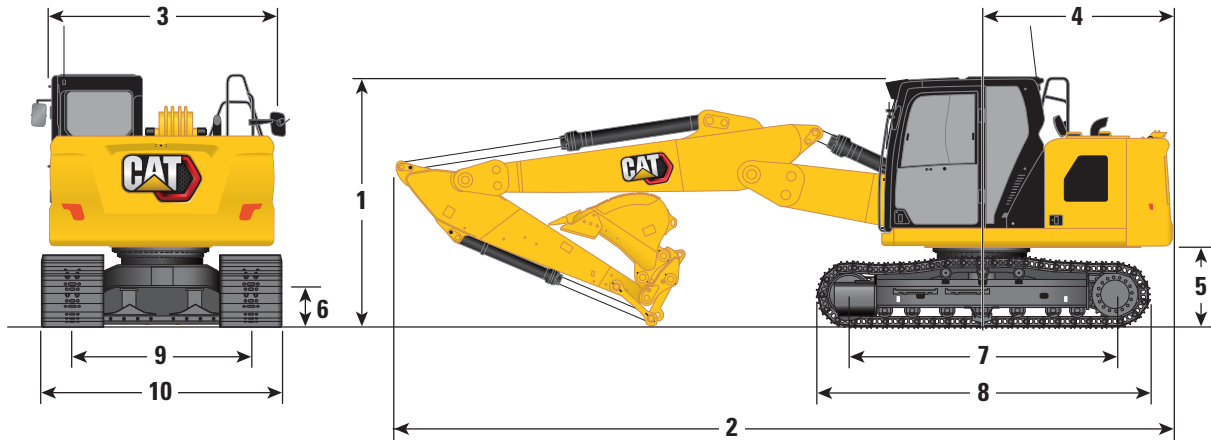
\*For models with rubber track shoes or rubber pad add 40 mm (1.6") to machine height dimensions.

\*\*0.53 m<sup>3</sup> (0.65 yd<sup>3</sup>) GD bucket for models sold in Australia and New Zealand.

# 313 Hydraulic Excavator Specifications

## Dimensions

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



### Boom Option

**Variable Angle Boom**  
2.4 m/2.44 m (7'8"/8'0")

### Stick Options

#### Reach Stick

**R2.2 (7'3")**

**R2.5 (8'2")**

**R3.0 (9'10")**

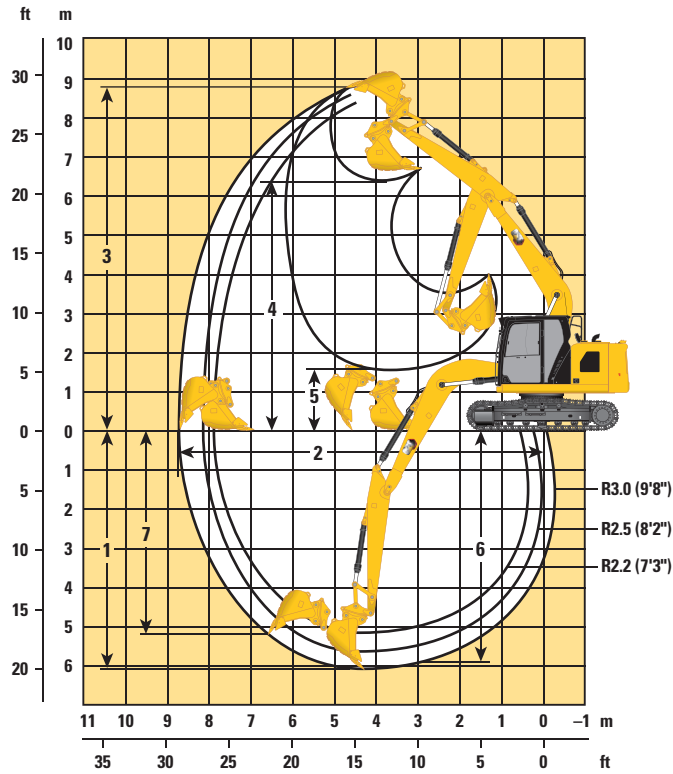
	R2.2 (7'3")		R2.5 (8'2")		R3.0 (9'10")	
<b>1 Machine Height:*</b>						
Top of Cab Height	2810 mm	9'3"	2810 mm	9'3"	2810 mm	9'3"
Top of FOGS Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
Handrail Height	2810 mm	9'3"	2810 mm	9'3"	2810 mm	9'3"
With Boom/Stick/Bucket Installed (with stick cylinder lines)	2780 mm	9'1"	2880 mm	9'5"	3170 mm	10'5"
With Boom/Stick Installed (with stick cylinder lines)	2780 mm	9'1"	2880 mm	9'5"	3170 mm	10'5"
With Boom Installed (with stick cylinder lines)	2200 mm	7'2"	2200 mm	7'2"	2200 mm	7'3"
<b>2 Machine Length (without blade):</b>						
With Boom/Stick/Bucket Installed (with stick cylinder lines)	7770 mm	25'6"	7750 mm	25'5"	7640 mm	25'1"
With Boom/Stick Installed (with stick cylinder lines)	7770 mm	25'6"	7750 mm	25'5"	7640 mm	25'1"
With Boom Installed (with stick cylinder lines)	6970 mm	22'10"	6970 mm	22'10"	6970 mm	22'10"
<b>Machine Length (with blade, blade rear):</b>						
With Boom/Stick/Bucket Installed (with stick cylinder lines)	8040 mm	26'5"	8030 mm	26'4"	7910 mm	25'11"
With Boom/Stick Installed (with stick cylinder lines)	8040 mm	26'5"	8030 mm	26'4"	7910 mm	25'11"
With Boom Installed (with stick cylinder lines)	7240 mm	23'9"	7240 mm	23'9"	7240 mm	23'9"
<b>3 Upperframe Width</b>	2480 mm	8'2"	2480 mm	8'2"	2480 mm	8'2"
<b>4 Tail Swing Radius – 2.47 mt (5,445 lb) Counterweight</b>	2190 mm	7'2"	2190 mm	7'2"	2190 mm	7'2"
<b>5 Counterweight Clearance</b>	915 mm	3'0"	915 mm	3'0"	915 mm	3'0"
<b>6 Ground Clearance</b>	445 mm	1'6"	445 mm	1'6"	445 mm	1'6"
<b>7 Length to Center of Rollers</b>	3040 mm	10'0"	3040 mm	10'0"	3040 mm	10'0"
<b>8 Overall Track Length</b>	3750 mm	12'4"	3750 mm	12'4"	3750 mm	12'4"
<b>9 Track Gauge</b>	1990 mm	6'6"	1990 mm	6'6"	1990 mm	6'6"
<b>10 Track Width/Undercarriage Width:</b>						
500 mm (20") Shoes	2490 mm	8'2"	2490 mm	8'2"	2490 mm	8'2"
600 mm (24") Shoes	2590 mm	8'6"	2590 mm	8'6"	2590 mm	8'6"
700 mm (28") Shoes (with steps)	2690 mm	8'10"	2690 mm	8'10"	2690 mm	8'10"
770 mm (30") Shoes (with steps)	2760 mm	9'1"	2760 mm	9'1"	2760 mm	9'1"
<b>Bucket Type</b>	GD		GD		GD	
Bucket Capacity	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>
Bucket Tip Radius	1240 mm	4'1"	1240 mm	4'1"	1240 mm	4'1"

\*For models with rubber track shoes or rubber pad add 40 mm (1.6") to machine height dimensions.

# 313 Hydraulic Excavator Specifications

## Working Ranges and Forces

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



Boom Option	Reach Boom 4.65 m (15'3")					
	Stick Options					
	R2.2 (7'3")		R2.5 (8'2")		R3.0 (9'10")	
	1 Maximum Digging Depth	5240 mm	17'2"	5540 mm	18'2"	6040 mm
2 Maximum Reach at Ground Line	7910 mm	25'11"	8190 mm	26'10"	8660 mm	28'5"
3 Maximum Cutting Height	8370 mm	27'6"	8560 mm	28'1"	8830 mm	29'0"
4 Maximum Loading Height	5960 mm	19'7"	6150 mm	20'2"	6420 mm	21'1"
5 Minimum Loading Height	2380 mm	7'10"	2080 mm	6'10"	1600 mm	5'3"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5010 mm	16'5"	5330 mm	17'6"	5860 mm	19'3"
7 Maximum Vertical Wall Digging Depth	4390 mm	14'5"	4760 mm	15'7"	5190 mm	17'0"
Minimum Working Equipment Radius	2460 mm	8'1"	2430 mm	8'0"	2570 mm	8'5"
Bucket Digging Force (ISO)	98.47 kN	22,140 lbf	98.45 kN	22,130 lbf	98.67 kN	22,180 lbf
Stick Digging Force (ISO)	72.85 kN	16,380 lbf	66.68 kN	14,990 lbf	59.29 kN	13,330 lbf
Bucket Type	GD		GD		GD	
Bucket Capacity*	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>
Bucket Tip Radius	1240 mm	4'1"	1240 mm	4'1"	1240 mm	4'1"

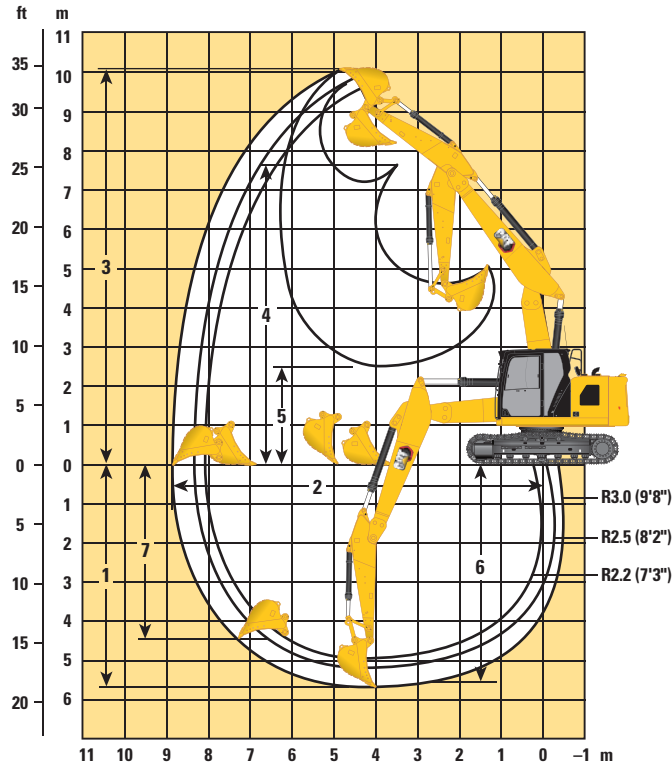
\* 0.53 m<sup>3</sup> (0.65 yd<sup>3</sup>) GD bucket for models sold in Australia and New Zealand.



# 313 Hydraulic Excavator Specifications

## Working Ranges and Forces

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



### Boom Option

**Variable Angle Boom**  
2.4 m/2.44 m (7'8"/8'0")

### Stick Options

#### Reach Stick

**R2.2 (7'3")**

**R2.5 (8'2")**

**R3.0 (9'10")**

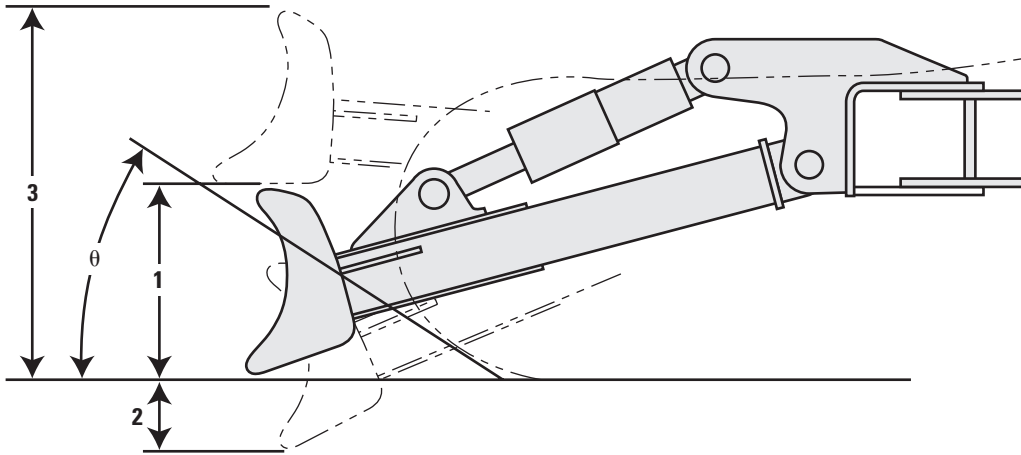
	R2.2 (7'3")		R2.5 (8'2")		R3.0 (9'10")	
<b>1</b> Maximum Digging Depth	4900 mm	16'1"	5200 mm	17'1"	5690 mm	18'8"
<b>2</b> Maximum Reach at Ground Line	8050 mm	26'5"	8340 mm	27'4"	8820 mm	28'11"
<b>3</b> Maximum Cutting Height	9440 mm	31'0"	9700 mm	31'10"	10 120 mm	33'2"
<b>4</b> Maximum Loading Height	6960 mm	22'10"	7230 mm	23'9"	7650 mm	25'1"
<b>5</b> Minimum Loading Height	3120 mm	10'3"	2860 mm	9'5"	2480 mm	8'2"
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	4770 mm	15'8"	5080 mm	16'8"	5580 mm	18'4"
<b>7</b> Maximum Vertical Wall Digging Depth	3940 mm	12'11"	4270 mm	14'0"	4730 mm	15'6"
Minimum Working Equipment Radius	1750 mm	5'9"	1900 mm	6'3"	2240 mm	7'4"
Bucket Digging Force (ISO)	98.47 kN	22,140 lbf	98.45 kN	22,130 lbf	98.67 kN	22,180 lbf
Stick Digging Force (ISO)	72.85 kN	16,380 lbf	66.68 kN	14,990 lbf	59.29 kN	16,380 lbf
Bucket Type	GD		GD		GD	
Bucket Capacity	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>	0.68 m <sup>3</sup>	0.89 yd <sup>3</sup>
Bucket Tip Radius	1240 mm	4'1"	1240 mm	4'1"	1240 mm	4'1"



# 313 Hydraulic Excavator Specifications

## Blade Working Ranges

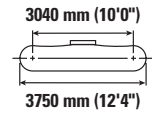
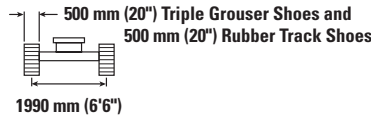
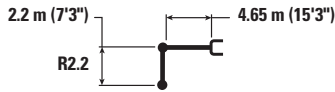
All dimensions are approximate and may vary depending on bucket selection.

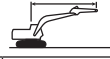












Blade Options	2500 mm (8'2")		2600 mm (8'6")		2700 mm (8'10")	
	<b>1</b> Blade Height	616 mm	2'0"	616 mm	2'0"	616 mm
<b>2</b> Maximum Lowering Depth from Ground	550 mm	1'10"	550 mm	1'10"	550 mm	1'10"
<b>3</b> Maximum Raising Height above Ground	1018 mm	3'4"	1018 mm	3'4"	1018 mm	3'4"
<b><math>\theta</math></b> Approach Angle	26°		26°		26°	

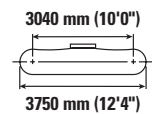
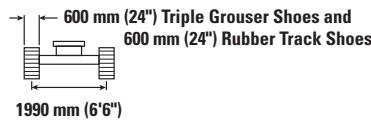
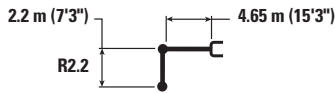
# 313 Hydraulic Excavator Specifications












## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
												
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 8,400			*3050 *6,750	*3050 *6,750	5.07 16'3"
4.5 m 15.0 ft	kg lb					*4100 *8,850	3850 8,300	*3300	2400	*2800 *6,200	2350 5,200	6.10 19'10"
3.0 m 10.0 ft	kg lb			*6950 *14,900	6750 14,550	*4900 *10,550	3650 7,850	3650 7,800	2350 5,050	*2800 *6,150	2000 4,400	6.64 21'8"
1.5 m 5.0 ft	kg lb					5500 11,800	3400 7,300	3550 7,600	2250 4,850	2950 6,400	1900 4,100	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	5850 12,500	5300 11,350	3250 6,950	3450 7,400	2200 4,700	3000 6,550	1900 4,200	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	5850 12,500	5250 11,250	3200 6,850	3450	2200	3350 7,450	2150 4,700	6.10 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	5950 12,800	*5250 *11,200	3250 7,000			*4400 *9,650	2800 6,250	5.06 16'5"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
												
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 8,550			*3050 *6,750	*3050 *6,750	5.07 16'3"
4.5 m 15.0 ft	kg lb					*4100 *8,850	3900 8,400	*3300	2450	*2800 *6,200	2400 5,300	6.10 19'10"
3.0 m 10.0 ft	kg lb			*6950 *14,900	6900 14,800	*4900 *10,550	3700 8,000	3700 7,950	2400 5,150	*2800 *6,150	2050 4,500	6.64 21'8"
1.5 m 5.0 ft	kg lb					5600 12,000	3450 7,450	3600 7,750	2300 4,950	*2950 *6,500	1900 4,200	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	5950 12,750	5400 11,600	3300 7,100	3500 7,550	2250 4,800	3050 6,700	1950 4,250	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	5950 12,750	5350 11,450	3250 7,000	3500	2200	3450 7,600	2200 4,800	6.10 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6100 13,050	*5250 *11,200	3300 7,150			*4400 *9,650	2850 6,350	5.06 16'5"



ISO 10567:2007



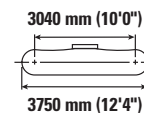
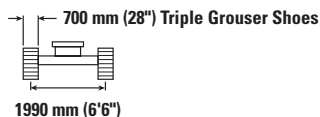
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

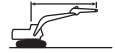










Lift capacity stays with ±5% for all available track shoes.

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

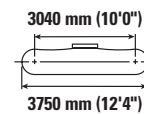
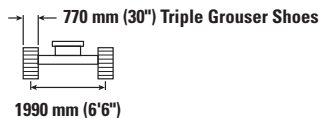
# 313 Hydraulic Excavator Specifications












## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
												
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 8,650			*3050 *6,750	*3050 *6,750	5.07 16'3"
4.5 m 15.0 ft	kg lb					*4100 *8,850	3950 8,500	*3300	2500	*2800 *6,200	2450 5,400	6.10 19'10"
3.0 m 10.0 ft	kg lb			*6950 *14,900	6950 *14,900	*4900 *10,550	3750 8,100	3750 8,100	2450 5,250	*2800 *6,150	2100 4,550	6.64 21'8"
1.5 m 5.0 ft	kg lb					5650 12,150	3500 7,550	3650 7,850	2350 5,050	*2950 *6,500	1950 4,250	6.81 22'4"
0 m 0 ft	kg lb			*6,050 *14,050	6,000 12,900	5,500 11,750	3,350 7,200	3,600 7,700	2,250 4,850	3,100 6,800	2,000 4,350	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	6050 12,950	5450 11,650	3300 7,100	3550	2250	3500 7,700	2200 4,850	6.10 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6150 13,200	*5250 *11,200	3350 7,250			*4400 *9,650	2900 6,450	5.06 16'5"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
												
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 *8,650			*3050 *6,750	*3050 *6,750	5.07 16'3"
4.5 m 15.0 ft	kg lb					*4100 *8,850	4000 8,600	*3300	2500	*2800 *6,200	2450 5,450	6.10 19'10"
3.0 m 10.0 ft	kg lb			*6950 *14,900	*6950 *14,900	*4900 *10,550	3800 8,150	3800 8,150	2450 5,300	*2800 *6,150	2100 4,600	6.64 21'8"
1.5 m 5.0 ft	kg lb					5750 12,300	3550 7,650	3700 7,950	2350 5,100	*2950 *6,500	1950 4,300	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	*6050 13,050	5550 11,900	3400 7,300	3600 7,750	2300 4,900	3150 6,900	2000 4,400	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	6100 13,050	5500 11,750	3350 7,150	3600	2300	3550 7,750	2250 4,900	6.10 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6200 13,350	*5250 *11,200	3400 7,350			*4400 *9,650	2950 6,500	5.06 16'5"



ISO 10567:2007



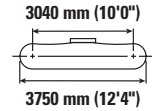
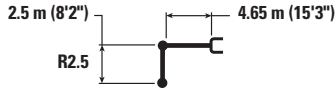
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

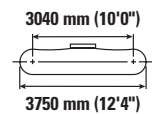
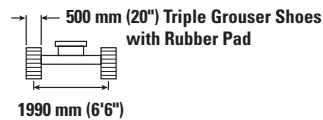
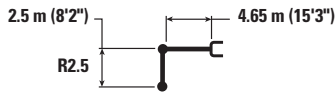
# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Diagram		m ft/in
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2500 5,300	*2450 *5,350	2200 4,900	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3700 8,000	3700 7,900	2400 5,150	*2450 *5,300	1900 4,200	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6200 13,350	5550 11,950	3450 7,450	3600 7,700	2300 4,950	*2550 *5,600	1800 3,950	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	5900 12,650	5350 11,500	3300 7,050	3500 7,450	2200 4,750	2850 6,200	1800 4,000	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	5850 12,550	5250 11,300	3200 6,900	3450 7,400	2200 4,700	3150 6,950	2000 4,400	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	5950 12,800	5300 11,400	3250 7,000			4050 8,950	2550 5,650	5.43 17'8"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Diagram		m ft/in
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2550 5,450	*2450 *5,350	2300 5,050	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3850 8,250	3800 8,200	2500 5,350	*2450 *5,300	2000 4,350	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6400 13,800	*5700 *12,250	3600 7,700	3700 7,950	2400 5,100	*2550 *5,600	1850 4,100	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6100 13,100	5550 11,900	3400 7,300	3600 7,750	2300 4,950	*2850 *6,250	1900 4,150	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6050 13,000	5450 11,700	3350 7,150	3600 7,700	2250 4,850	3250 7,200	2100 4,600	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6150 13,250	5500 11,850	3350 7,250			4200 9,300	2650 5,850	5.43 17'8"



ISO 10567:2007



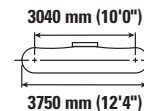
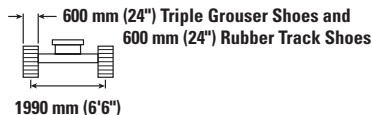
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

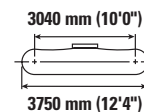
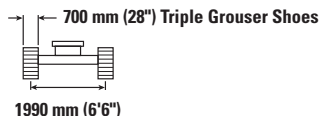
# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Diagram		m ft/in
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2500 5,400	*2450 *5,350	2250 5,000	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3800 8,150	3750 8,050	2450 5,250	*2450 *5,300	1950 4,300	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6300 13,600	5650 12,150	3550 7,600	3650 7,800	2350 5,050	*2550 *5,600	1850 4,000	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6000 12,900	5450 11,700	3350 7,200	3550 7,600	2250 4,850	*2850 *6,250	1850 4,050	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	5950 12,800	5350 11,500	3300 7,050	3500 7,550	2250 4,800	3200 7,100	2050 4,500	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6050 13,000	5400 11,650	3300 7,150			4100 9,150	2600 5,750	5.43 17'8"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Diagram		m ft/in
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2550 5,450	*2450 *5,350	2300 5,050	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3850 8,250	3800 8,200	2500 5,300	*2450 *5,300	2000 4,350	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6400 13,750	*5700 *12,250	3600 7,700	3700 7,950	2400 5,100	*2550 *5,600	1850 4,050	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6100 13,050	5550 11,850	3400 7,300	3600 7,750	2300 4,900	*2850 *6,250	1900 4,150	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6050 13,000	5450 11,700	3300 7,150	3550 7,650	2250 4,850	3250 7,200	2100 4,550	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6150 13,200	5500 11,800	3350 7,250			4150 9,300	2650 5,850	5.43 17'8"



ISO 10567:2007



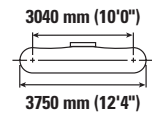
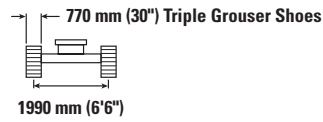
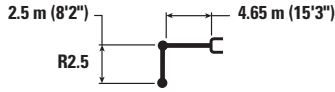
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

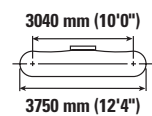
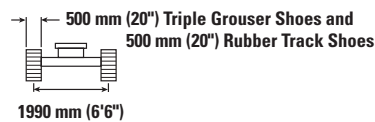
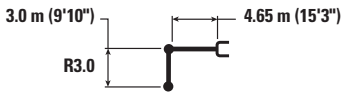
# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach m ft/in	kg lb	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		313 Hydraulic Excavator		m ft/in
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2600 5,500	*2450 *5,350	2300 5,100	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3850 8,300	3850 8,250	2500 5,400	*2450 *5,300	2000 4,400	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6450 13,900	*5700 *12,250	3600 7,750	3750 8,000	2400 5,150	*2550 *5,600	1900 4,100	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6150 13,200	5600 12,000	3450 7,350	3650 7,800	2300 5,000	*2850 *6,250	1900 4,200	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6100 13,100	5500 11,800	3350 7,200	3600 7,750	2300 4,900	3300 7,250	2100 4,600	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6200 13,350	5550 11,950	3400 7,300			4200 9,400	2650 5,900	5.43 17'8"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach m ft/in	kg lb	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in
7.5 m 25.0 ft	kg lb									*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250 *2250		*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2500 5,350	*2050 *4,500	1950 4,350	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	3800 8,100	*3700 7,950	2450 5,200	*2050 *4,500	1700 3,750	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6350 13,700	*5300 *11,400	3500 7,550	3600 7,700	2300 4,950	*2400 *4,750	1650 3,550	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	5900 12,700	5350 11,500	3300 7,050	3450 7,450	2200 4,700	*2400 *5,250	1650 3,550	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	5800 12,400	5250 11,200	3150 6,800	3400 7,300	2150 4,600	2800 6,150	1800 3,900	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	5850 12,500	5250 11,250	3200 6,800	3450 7,300	2150 4,600	3400 7,600	2150 4,800	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	6050 13,000					*4000 *8,800	3350 7,650	4.48 14'4"



ISO 10567:2007



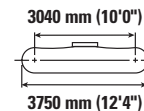
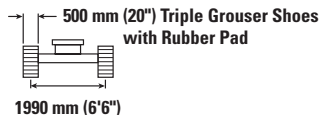
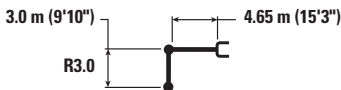
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

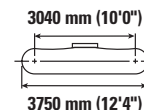
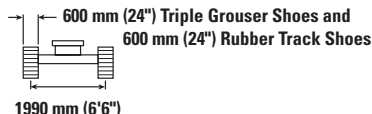
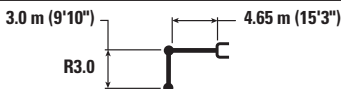
# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2600 5,550			*2050 *4,500	2050 4,500	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	3900 8,350	*3700 *8,000	2500 5,350			*2050 *4,500	1800 3,900	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6600 14,150	*5300 *11,400	3600 7,800	3700 7,950	2400 5,100	*2400	1700	*2150 *4,750	1700 3,700	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6100 13,150	5550 11,900	3400 7,300	3600 7,700	2300 4,900			*2400 *5,250	1700 3,700	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	6000 12,850	5450 11,650	3300 7,050	3550 7,600	2250 4,750			*2850 *6,250	1850 4,050	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	6050 12,950	5450 11,650	3300 7,100	3550	2250			3550 7,850	2250 4,950	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	6250 13,450							*4000 *8,800	3500 7,900	4.48 14'4"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2550 5,450			*2050 *4,500	2000 4,400	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	3850 8,250	*3700 *8,000	2450 5,300			*2050 *4,500	1750 3,850	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6500 13,950	*5300 *11,400	3550 7,650	3650 7,850	2350 5,050	*2400	1650	*2150 *4,750	1650 3,600	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6000 12,900	5450 11,700	3350 7,200	3550 7,600	2250 4,800			*2400 *5,250	1650 3,650	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	5900 12,650	5350 11,450	3250 6,950	3450 7,450	2200 4,700			*2850 *6,250	1800 4,000	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	5950 12,750	5350 11,450	3250 6,950	3500	2200			3500 7,750	2200 4,900	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	6150 13,250							*4000 *8,800	3450 7,800	4.48 14'4"



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.

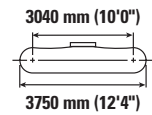
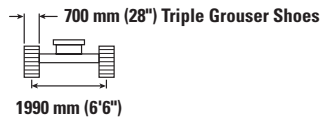
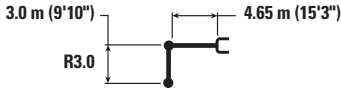
Lift capacity stays with ±5% for all available track shoes.

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



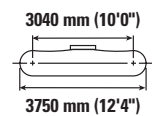
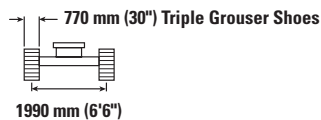
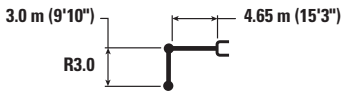
# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2600 5,550			*2050 *4,500	2050 4,500	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	3900 8,350	*3700 *8,000	2500 5,350			*2050 *4,500	1800 3,900	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6550 14,100	*5300 *11,400	3600 7,750	3700 7,950	2400 5,100	*2400	1700	*2150 *4,750	1700 3,700	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6100 13,100	5550 11,900	3400 7,300	3600 7,700	2300 4,900			*2400 *5,250	1700 3,700	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	6000 12,800	5400 11,600	3300 7,050	3550 7,550	2200 4,750			*2850 *6,250	1850 4,050	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	6050 12,950	5400 11,600	3300 7,050	3550	2250			3550 7,850	2250 4,950	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	6250 13,450							*4000 *8,800	3450 7,900	4.48 14'4"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2600 5,600			*2050 *4,500	2050 4,500	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	3900 8,450	*3700 *8,000	2550 5,400			*2050 *4,500	1800 3,950	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6650 14,250	*5300 *11,400	3650 7,850	3750 8,050	2400 5,150	*2400	1700	*2150 *4,750	1700 3,700	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6150 13,250	5600 12,000	3450 7,350	3650 7,800	2300 4,950			*2400 *5,250	1700 3,750	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	6050 12,950	5450 11,750	3300 7,150	3550 7,650	2250 4,800			*2850 *6,250	1850 4,100	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	6100 13,100	5450 11,750	3300 7,150	3600	2250			3600 7,950	2250 5,000	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	6300 *13,550							*4000 *8,800	3500 8,000	4.48 14'4"



ISO 10567:2007



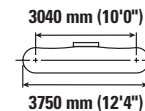
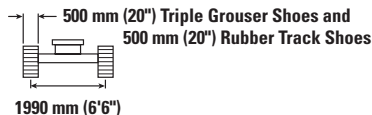
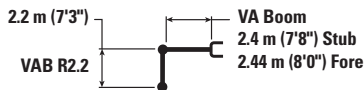
\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

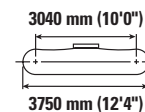
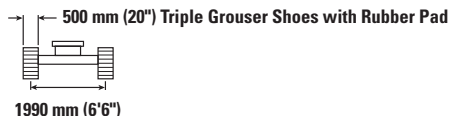
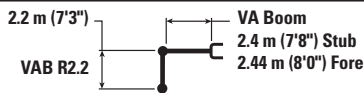
# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	3900 8,350			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	3850 8,200	3700 *7,200	2350 5,050	*2550 *5,650	2200 4,850	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	6600 14,250	5750 12,300	3550 7,650	3600 7,700	2300 4,900	*2500 *5,550	1850 4,100	6.79 22'2"
1.5 m 5.0 ft	kg lb			5400 11,550	3250 7,000	3450 7,450	2150 4,650	*2600 *5,750	1750 3,800	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 11,900	5200 11,100	3100 6,600	3400 7,250	2100 4,450	2850 6,250	1750 3,850	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	5600 11,950	*5000 *10,750	3050 6,500	*3350 *6,950	2050 4,450	*2900 *6,400	2000 4,350	6.25 20'5"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4050 8,650			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	3950 8,450	*3800 *7,200	2450 5,200	*2550 *5,650	2250 5,000	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	6850 14,700	5950 12,750	3700 7,900	3750 8,000	2350 5,050	*2500 *5,550	1950 4,250	6.79 22'2"
1.5 m 5.0 ft	kg lb			5600 12,000	3400 7,300	3600 7,750	2250 4,850	*2600 *5,750	1800 3,950	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5350 11,550	3200 6,900	3500 7,500	2150 4,650	*2900 *6,350	1850 4,000	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	5800 12,400	*5000 *10,750	3150 6,800	*3350 *6,950	2150 4,650	*2900 *6,400	2050 4,500	6.25 20'5"



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.

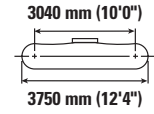
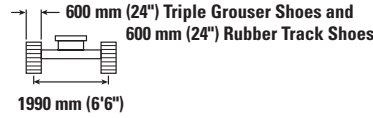
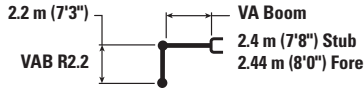
Max length of VAB.

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

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

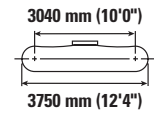
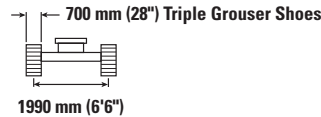
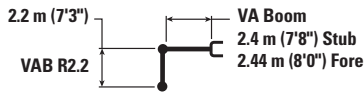
# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4000 8,500			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	3900 8,350	3750 *7,200	2400 5,150	*2550 *5,650	2250 4,950	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	6750 14,500	5850 12,550	3650 7,800	3650 7,850	2350 5,000	*2500 *5,550	1900 4,150	6.79 22'2"
1.5 m 5.0 ft	kg lb			5500 11,800	3350 7,150	3550 7,600	2200 4,750	*2600 *5,750	1750 3,900	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 12,150	5300 11,350	3150 6,750	3450 7,400	2150 4,550	*2900 *6,350	1800 3,950	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	5700 12,200	*5000 *10,750	3100 6,650	*3350 *6,950	2100 4,550	*2900 *6,400	2000 4,450	6.25 20'5"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4050 8,600			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	3950 8,450	*3800 *7,200	2450 5,200	*2550 *5,650	2250 5,000	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	6800 14,700	5900 12,700	3650 7,900	3700 8,000	2350 5,050	*2500 *5,550	1950 4,250	6.79 22'2"
1.5 m 5.0 ft	kg lb			5550 11,950	3400 7,250	3600 7,700	2250 4,800	*2600 *5,750	1800 3,950	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5350 11,500	3200 6,850	3500 7,500	2150 4,650	*2900 *6,350	1850 4,000	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	5800 12,400	*5000 *10,750	3150 6,750	*3350 *6,950	2150 4,600	*2900 *6,400	2050 4,500	6.25 20'5"



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.

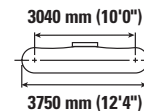
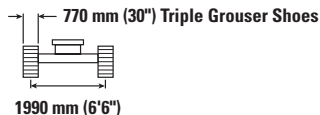
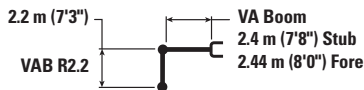
Max length of VAB.

Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

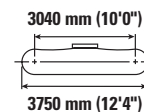
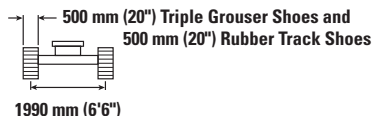
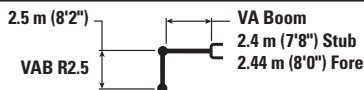
# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4050 8,700			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	3950 8,550	*3800 *7,200	2450 5,250	*2550 *5,650	2300 5,050	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	6900 14,850	*5950 12,850	3700 8,000	3750 8,050	2400 5,100	*2500 *5,550	1950 4,300	6.79 22'2"
1.5 m 5.0 ft	kg lb			5650 12,100	3400 7,350	3650 7,800	2250 4,850	*2600 *5,750	1800 4,000	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5400 11,650	3250 6,950	3550 7,600	2200 4,700	*2900 *6,350	1850 4,050	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	5850 12,550	*5000 *10,750	3200 6,850	*3350 *6,950	2150 4,700	*2900 *6,400	2050 4,550	6.25 20'5"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	4000 8,550			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	3900 8,400	3750 *8,000	2450 5,200	*2200 *4,850	2050 4,550	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	6850 14,750	5800 12,500	3650 7,850	3650 7,850	2350 5,000	*2200 *4,800	1750 3,900	7.08 23'2"
1.5 m 5.0 ft	kg lb			5450 11,750	3350 7,200	3500 7,550	2200 4,750	*2250 *4,950	1650 3,650	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	5600 12,050	5250 11,200	3150 6,700	3400 7,300	2100 4,500	*2500 *5,450	1700 3,700	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	5600 12,000	5150 11,050	3050 6,550	3350 7,250	2100 4,450	*2900 *6,400	1850 4,100	6.57 21'6"



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.

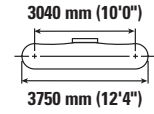
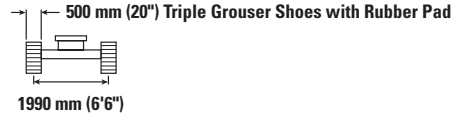
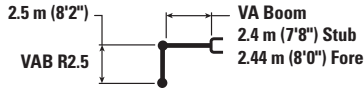
Max length of VAB.

Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

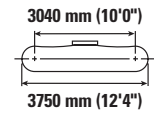
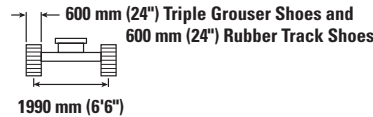
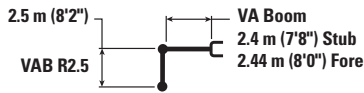
# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 8,800			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4000 8,650	*3850 *8,000	2500 5,350	*2200 *4,850	2100 4,700	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7050 15,200	*5850 *12,550	3750 8,100	3800 8,100	2400 5,200	*2200 *4,800	1850 4,050	7.08 23'2"
1.5 m 5.0 ft	kg lb			5650 12,150	3450 7,450	3650 7,800	2300 4,900	*2250 *4,950	1750 3,800	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 12,500	5400 11,650	3250 7,000	3550 7,600	2200 4,700	*2500 *5,450	1750 3,850	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	5800 12,450	*5300 *11,450	3200 6,800	3500 7,500	2150 4,650	*2900 *6,400	1950 4,250	6.57 21'6"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	4050 8,700			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	3950 8,500	3800 *8,000	2450 5,250	*2200 *4,850	2100 4,600	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	6950 15,000	*5850 *12,550	3700 7,950	3700 8,000	2400 5,100	*2200 *4,800	1800 3,950	7.08 23'2"
1.5 m 5.0 ft	kg lb			5550 11,950	3400 7,300	3600 7,700	2250 4,850	*2250 *4,950	1700 3,700	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 12,300	5350 11,450	3200 6,850	3450 7,450	2150 4,600	*2500 *5,450	1700 3,750	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	5700 12,250	5250 11,250	3100 6,700	3450 7,400	2100 4,550	*2900 *6,400	1900 4,150	6.57 21'6"



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.

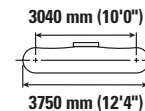
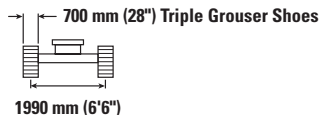
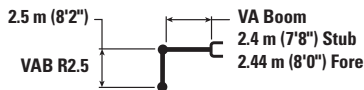
Max length of VAB.

Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

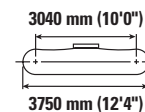
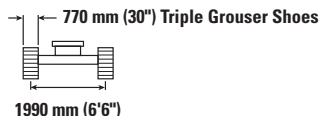
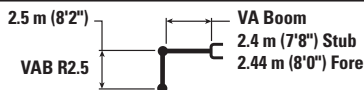
# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 8,800			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4000 8,600	*3850 *8,000	2500 5,350	*2200 *4,850	2100 4,700	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7050 15,150	*5850 *12,550	3750 8,050	3750 8,100	2400 5,150	*2200 *4,800	1850 4,000	7.08 23'2"
1.5 m 5.0 ft	kg lb			5650 12,150	3450 7,400	3650 7,800	2300 4,900	*2250 *4,950	1700 3,750	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 12,450	5400 11,600	3250 6,950	3500 7,550	2200 4,700	*2500 *5,450	1750 3,800	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	5800 12,400	*5300 11,450	3150 6,800	3500 7,500	2150 4,600	*2900 *6,400	1950 4,250	6.57 21'6"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 8,900			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4050 8,700	*3850 *8,000	2550 5,400	*2200 *4,850	2150 4,750	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7100 15,300	*5850 *12,550	3800 8,150	3800 8,200	2450 5,200	*2200 *4,800	1850 4,050	7.08 23'2"
1.5 m 5.0 ft	kg lb			5700 12,250	3500 7,500	3700 7,900	2300 4,950	*2250 *4,950	1750 3,800	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 12,600	5450 11,750	3300 7,050	3550 7,650	2200 4,750	*2500 *5,450	1750 3,850	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	5850 12,550	*5300 11,450	3200 6,900	3550 7,600	2200 4,700	*2900 *6,400	1950 4,300	6.57 21'6"



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.

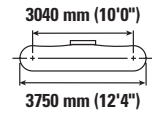
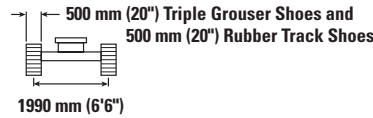
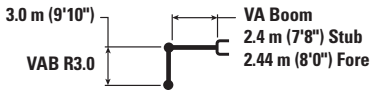
Max length of VAB.

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

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

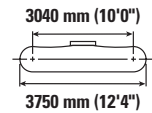
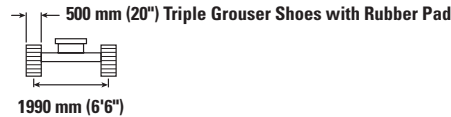
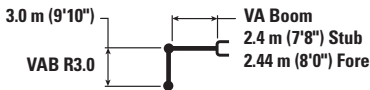
# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	2500 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2500 5,300			*1900 *4,150	1800 4,000	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3750 8,000	3700 7,900	2350 5,050	*2100	1600	*1850 *4,100	1600 3,500	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	13,250	5550 11,900	3400 7,300	3550 7,550	2200 4,750	2500 *5,100	1550 3,350	*1950 *4,250	1500 3,250	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	5600 12,050	5250 11,250	3150 6,750	3400 7,300	2100 4,500	*2400	1500	*2100 *4,600	1500 3,300	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5500 11,800	5100 10,950	3000 6,450	3300 7,150	2050 4,350			*2450 *5,400	1650 3,600	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3050 6,500	*2550	2050			*2400 *5,350	2050 4,550	6.10 19'8"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	2550 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2550 5,450			*1900 *4,150	1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3850 8,250	3800 8,200	2450 5,250	*2100	1650	*1850 *4,100	1650 3,600	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	13,700	5750 12,300	3500 7,550	3650 7,850	2300 4,950	2600 *5,100	1650 3,450	*1950 *4,250	1550 3,400	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	5850 12,500	5450 11,650	3250 7,000	3500 7,550	2200 4,650	*2400	1600	*2100 *4,600	1550 3,450	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5700 12,250	5300 11,350	3150 6,750	3450 7,400	2100 4,550			*2450 *5,400	1700 3,750	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3150 6,750	*2550	2150			*2400 *5,350	2100 4,700	6.10 19'8"



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.

Max length of VAB.

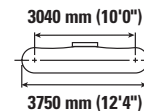
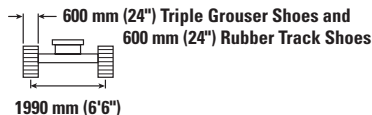
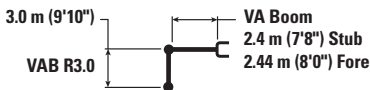
Lift capacity stays with ±5% for all available track shoes.










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



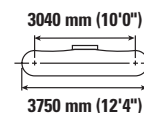
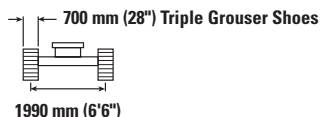
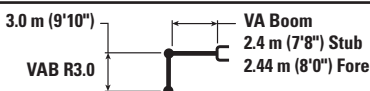
# 313 Hydraulic Excavator Specifications

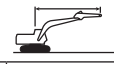








## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	2500 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2500 5,400			*1900 *4,150	1850 4,100	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3800 8,150	3750 8,050	2400 5,150	*2100	1650	*1850 *4,100	1600 3,550	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	13,450	5650 12,100	3450 7,400	3600 7,700	2250 4,850	2550 *5,100	1600 3,400	*1950 *4,250	1550 3,350	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	5750 12,500	5350 11,450	3200 6,850	3450 7,450	2150 4,600	*2400	1550	*2100 *4,600	1550 3,350	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5600 12,050	5200 11,150	3100 6,600	3400 7,300	2100 4,450			*2450 *5,400	1650 3,650	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3100 6,650	*2550	2100			*2400 *5,350	2100 4,600	6.10 19'8"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	2550 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2550 5,450			*1900 *4,150	1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3850 8,250	3800 8,150	2450 5,250	*2100	1650	*1850 *4,100	1650 3,600	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	13,650	5700 12,300	3500 7,550	3650 7,850	2300 4,900	2600 *5,100	1600 3,450	*1950 *4,250	1550 3,400	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	5800 12,500	5400 11,650	3250 6,950	3500 7,550	2150 4,650	*2400	1600	*2100 *4,600	1550 3,400	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5700 12,250	5300 11,350	3150 6,700	3450 7,400	2100 4,500			*2450 *5,400	1700 3,750	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3150 6,750	*2550	2150			*2400 *5,350	2100 4,700	6.10 19'8"



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.

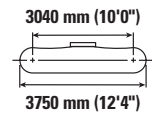
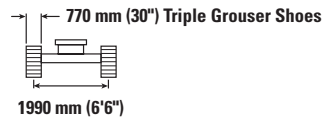
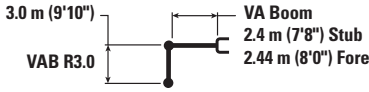
Max length of VAB.

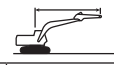










Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

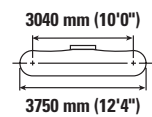
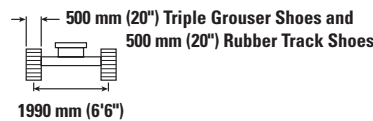
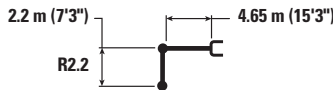
## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket

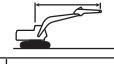












		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	2600 4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2600 5,500			*1900 *4,150	*1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3850 8,350	3850 8,250	2450 5,300	*2100 1700		*1850 *4,100	1650 3,650	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600 *4,600	13,800 3,000	5800 12,400	3550 7,600	3700 7,900	2300 5,000	2600 *5,100	1650 3,500	*1950 *4,250	1550 3,450	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	5900 12,600	5500 11,750	3300 7,050	3550 7,650	2200 4,700	*2400 1600		*2100 *4,600	1600 3,450	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5750 12,350	5350 11,450	3150 6,800	3500 7,500	2150 4,600			*2450 *5,400	1700 3,750	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3200 6,850	*2550 5,600	2150 4,700			*2400 *5,350	2150 4,750	6.10 19'8"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
												
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 *8,650			*3050 *6,750	*3050 *6,750	5.06 16'7"
4.5 m 15.0 ft	kg lb					*4100 *8,850	4050 8,650	*3300 2550		*2800 *6,200	2450 5,450	6.10 20'0"
3.0 m 10.0 ft	kg lb			*6950 *14,900	*6950 *14,900	*4900 *10,550	3800 8,200	3650 7,800	2500 5,300	*2800 *6,150	2100 4,650	6.64 21'9"
1.5 m 5.0 ft	kg lb					5450 11,750	3550 7,700	3550 7,550	2400 5,100	2900 6,400	2000 4,350	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	6050 13,150	5300 11,350	3400 7,300	3450 7,400	2300 4,950	3000 6,550	2000 4,400	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	6150 13,150	5250 11,200	3350 7,200	3450 7,400	2300	3350 7,400	2250 4,950	6.09 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6250 13,450	5250 11,200	3450 7,400			*4400 *9,650	2950 6,550	5.06 16'7"



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.

Max length of VAB.

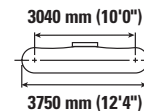
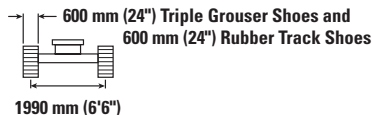
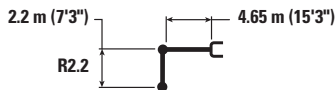
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

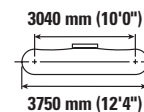
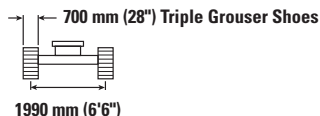
2600 mm (8'6") Blade



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3550 *7,900			*3050 *6,750	*3050 *6,750	5.06 16'7"
4.5 m 15.0 ft	kg lb					*4100 *8,850	*3800 *8,300	*3300	2600	*2800 *6,200	2500 5,600	6.10 20'0"
3.0 m 10.0 ft	kg lb			*6950 *14,900	*6950 *14,900	*4900 *10,550	3950 8,500	3700 7,950	2550 5,450	*2800 *6,150	2150 4,750	6.64 21'9"
1.5 m 5.0 ft	kg lb					5550 11,950	3700 7,950	3600 7,700	2450 5,250	*2950 *6,500	2050 4,450	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	6050 13,450	5400 11,550	3550 7,600	3500 7,550	2350 5,050	*3050 *6,650	2050 4,500	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	6250 13,450	5300 11,400	3450 7,450	3500	2350	3400 7,550	2300 5,050	6.09 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6400 13,750	*5250 *11,200	3500 7,500			*4400 *9,650	3000 6,700	5.06 16'7"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 *8,650			*3050 *6,750	*3050 *6,750	5.06 16'7"
4.5 m 15.0 ft	kg lb					*4100 *8,850	*4100 *8,850	*3300	2650	*2800 *6,200	2550 5,650	6.10 20'0"
3.0 m 10.0 ft	kg lb			*6950 *14,900	*6400 *13,700	*4900 *10,550	3950 8,450	3750 8,050	2550 5,500	*2800 *6,150	2200 4,800	6.64 21'9"
1.5 m 5.0 ft	kg lb					5650 12,100	3700 7,950	3650 7,800	2450 5,300	*2950 *6,500	2050 4,500	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	*6400 13,750	5450 11,700	3550 7,600	3550 7,650	2400 5,150	3100 6,750	2100 4,600	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	6400 13,700	5400 11,600	3500 7,500	3550	2400	3450 7,650	2350 5,150	6.09 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6450 13,900	*5250 *11,200	3550 7,650			*4400 *9,650	3050 6,800	5.06 16'7"



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.

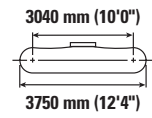
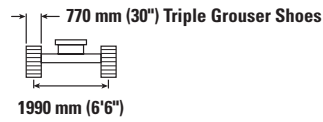
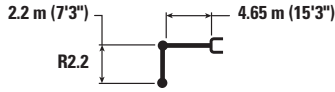
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

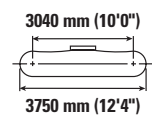
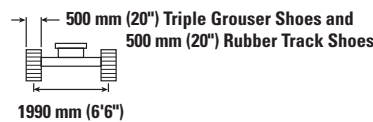
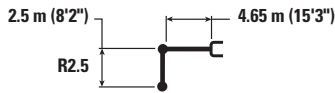
2700 mm (8'10") Blade



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3900 *8,650	*3900 *8,650			*3050 *6,750	*3050 *6,750	5.06 16'7"
4.5 m 15.0 ft	kg lb					*4100 *8,850	*4100 *8,850	*3300 2650	2650	*2800 *6,200	2600 *5,700	6.10 20'0"
3.0 m 10.0 ft	kg lb			*6950 *14,900	*6950 *14,900	*4900 *10,550	4000 8,550	3800 8,150	2600 5,550	*2800 *6,150	2200 4,850	6.64 21'9"
1.5 m 5.0 ft	kg lb					5700 12,250	3750 8,050	3700 7,900	2500 5,350	*2950 *6,500	2100 4,550	6.81 22'4"
0 m 0 ft	kg lb			*6050 *14,050	*6050 13,750	5500 11,850	3550 7,650	3600 7,750	2400 5,200	*3100 *6,850	2100 4,650	6.64 21'9"
-1.5 m -5.0 ft	kg lb	*5100 *11,450	*5100 *11,450	*9300 *20,150	6400 13,750	5450 11,700	3500 7,550	3600	2400	3500 7,750	2350 5,200	6.09 19'11"
-3.0 m -10.0 ft	kg lb			*7700 *16,600	6550 14,050	5250 11,200	3600 7,750			*4400 *9,650	3100 6,850	5.06 16'7"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2600 5,550	*2450 *5,350	2300 5,150	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3900 8,350	3700 7,900	2500 5,400	*2450 *5,300	2000 4,400	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6500 14,000	5550 11,900	3650 7,800	3550 7,650	2400 5,200	*2550 *5,600	1900 4,150	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6200 13,300	5350 11,450	3450 7,400	3450 7,450	2350 5,000	2850 6,200	1900 4,200	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6150 13,200	5250 11,250	3400 7,250	3450 7,400	2300 4,950	3150 6,900	2100 4,650	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6250 13,400	5300 11,350	3400 7,350			4000 8,950	2700 5,950	5.43 17'8"



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.

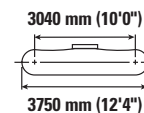
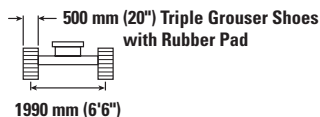
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

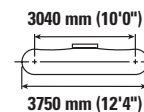
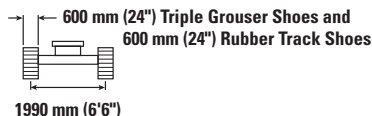
2500 mm (8'2") Blade



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2700 5,700	*2450 *5,350	2400 5,300	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	4000 8,600	3800 8,150	2600 5,600	*2450 *5,300	2100 4,550	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6700 14,450	*5700 *12,250	3750 8,050	3700 7,950	2500 5,350	*2550 *5,600	1950 4,300	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6400 13,750	5550 11,850	3550 7,650	3600 7,750	2400 5,200	*2850 *6,250	2000 4,350	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6350 13,650	5450 11,700	3500 7,500	3550 7,650	2400 5,100	3250 7,200	2200 4,800	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6450 13,850	5500 11,800	3550 7,600			4150 9,250	2750 6,150	5.43 17'8"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2600 mm (8'6") Blade



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2650 5,650	*2450 *5,350	2350 5,250	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	3950 8,500	3750 8,050	2600 5,500	*2450 *5,300	2050 4,500	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6650 14,250	5650 12,100	3700 7,950	3650 7,800	2450 5,300	*2550 *5,600	1950 4,250	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6350 13,600	5450 11,650	3550 7,600	3550 7,600	2400 5,100	*2850 *6,250	1950 4,300	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6300 13,500	5350 11,450	3450 7,450	3500 7,500	2350 5,050	3200 7,050	2150 4,750	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6400 13,700	5400 11,600	3500 7,500			4100 9,100	2750 6,050	5.43 17'8"



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.

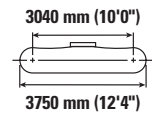
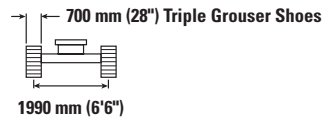
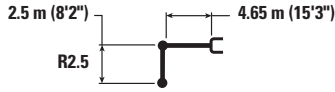
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

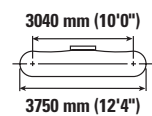
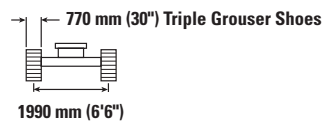
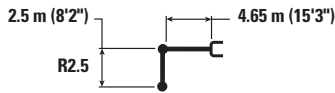
2700 mm (8'10") Blade



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2700 5,750	*2450 *5,350	2400 5,300	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	4000 8,600	3800 8,150	2600 5,600	*2450 *5,300	2100 4,600	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6700 14,450	*5700 *12,250	3750 8,100	3700 7,900	2500 5,400	*2550 *5,600	1950 4,300	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	6400 13,750	5500 11,800	3600 7,700	3600 7,700	2400 5,200	*2850 *6,250	2000 4,350	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6400 13,700	5400 11,650	3500 7,550	3550 7,600	2400 5,150	3250 7,150	2200 4,850	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6450 13,900	5450 11,750	3550 7,650			4150 9,250	2800 6,150	5.43 17'8"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



Reach	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
6.0 m 20.0 ft	kg lb					*3550 *7,900	*3550 *7,900			*2600 *5,800	*2600 *5,800	5.44 17'6"
4.5 m 15.0 ft	kg lb					*3800 *8,300	*3800 *8,300	*3650 *7,400	2700 5,800	*2450 *5,350	2400 *5,350	6.41 20'10"
3.0 m 10.0 ft	kg lb			*6400 *13,700	*6400 *13,700	*4650 *10,100	4050 8,700	3850 8,250	2650 5,650	*2450 *5,300	2100 4,600	6.93 22'8"
1.5 m 5.0 ft	kg lb			*7350 *18,000	6800 14,600	*5700 *12,250	3800 8,150	3700 8,000	2550 5,450	*2550 *5,600	2000 4,350	7.09 23'3"
0 m 0 ft	kg lb			*6500 *15,000	*6500 13,900	5550 11,950	3600 7,750	3650 7,800	2450 5,250	*2850 *6,250	2000 4,400	6.93 22'8"
-1.5 m -5.0 ft	kg lb	*4800 *10,700	*4800 *10,700	*9600 *20,750	6450 13,800	5500 11,750	3550 7,600	3600 7,700	2400 5,200	3300 7,250	2200 4,900	6.41 20'11"
-3.0 m -10.0 ft	kg lb	*8850 *20,000	*8850 *20,000	*8250 *17,750	6550 14,050	5550 11,850	3600 7,700			4200 9,350	2800 6,200	5.43 17'8"



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.

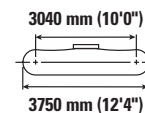
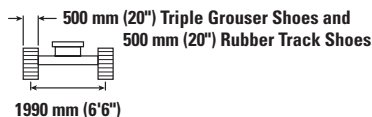
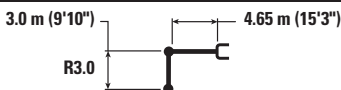
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

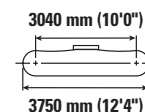
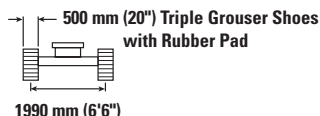
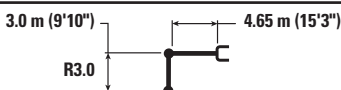
2500 mm (8'2") Blade



Reach Boom Configuration	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		2500 mm (8'2") Blade		m ft/in
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7.5 m 25.0 ft											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft							*3350 *7,300	2650 5,600			*2050 *4,500	2050 *4,500	6.92 22'6"
3.0 m 10.0 ft			*5350 *11,450	*5350 *11,450	*4200 *9,050	3950 8,500	*3700 7,950	2550 5,450			*2050 *4,500	1800 3,950	7.40 24'2"
1.5 m 5.0 ft			*8200 *17,650	6650 14,350	*5300 *11,400	3650 7,900	3550 7,650	2400 5,200	*2400	1750	*2150 *4,750	1700 3,750	7.55 24'9"
0 m 0 ft			*7250 *16,750	6200 13,300	5350 11,450	3450 7,400	3450 7,400	2300 4,950			*2400 *5,250	1700 3,750	7.40 24'3"
-1.5 m -5.0 ft		*4350 *9,700	*4350 *9,700	*9200 *21,000	6100 13,050	5200 11,200	3350 7,200	3400 7,300	2250 4,850		2800 6,100	1900 4,100	6.91 22'7"
-3.0 m -10.0 ft		*7450 *16,800	*7450 *16,800	*8800 *19,050	6150 13,150	5200 11,200	3350 7,200	3400	2300		3400 7,550	2300 5,050	6.02 19'7"
-4.5 m -15.0 ft				*6400 *13,550	6350 *13,550						*4000 *8,800	3550 8,050	4.48 14'4"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



Reach Boom Configuration	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		2500 mm (8'2") Blade		m ft/in
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
7.5 m 25.0 ft											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft							*3350 *7,300	2700 5,800			*2050 *4,500	2050 *4,500	6.92 22'6"
3.0 m 10.0 ft			*5350 *11,450	*5350 *11,450	*4200 *9,050	4050 8,750	*3700 *8,000	2650 5,650			*2050 *4,500	1900 4,100	7.40 24'2"
1.5 m 5.0 ft			*8200 *17,650	6900 14,800	*5300 *11,400	3800 8,150	3700 7,950	2500 5,350	*2400	1800	*2150 *4,750	1750 3,900	7.55 24'9"
0 m 0 ft			*7250 *16,750	6400 13,750	5550 11,850	3550 7,650	3600 7,700	2400 5,150			*2400 *5,250	1800 3,900	7.40 24'3"
-1.5 m -5.0 ft		*4350 *9,700	*4350 *9,700	*9200 *21,000	6300 13,500	5400 11,600	3450 7,450	3500 7,550	2350 5,000		*2850 *6,250	1950 4,250	6.91 22'7"
-3.0 m -10.0 ft		*7450 *16,800	*7450 *16,800	*8800 *19,050	6350 13,600	5400 11,600	3450 7,450	3550	2350		3550 7,850	2350 5,200	6.02 19'7"
-4.5 m -15.0 ft				*6400 *13,550	*6400 *13,550						*4000 *8,800	3650 8,300	4.48 14'4"



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.

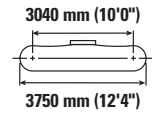
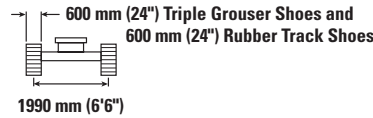
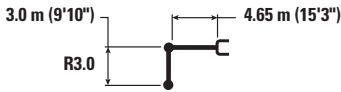
Always refer to the appropriate Operation and Maintenance Manual for specific product information.



# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

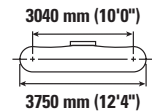
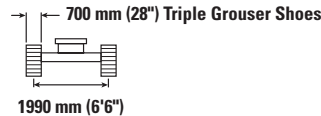
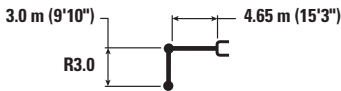
2600 mm (8'6") Blade



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb			
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2700 5,750			*2050 *4,500	*2050 *4,500	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	4000 8,650	*3700 *8,000	2600 5,550			*2050 *4,500	1850 4,050	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6800 14,650	*5300 *11,400	3750 8,050	3650 7,800	2500 5,300	*2400	1750	*2150 *4,750	1750 3,850	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6350 13,600	5450 11,650	3550 7,550	3500 7,550	2350 5,100			*2400 *5,250	1750 3,850	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	6200 13,350	5300 11,400	3400 7,350	3450 7,400	2300 4,950			*2850 *6,250	1900 4,200	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	6250 13,450	5300 11,400	3400 7,350	3500	2350			3450 7,700	2350 5,150	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	*6400 *13,550							*4000 *8,800	3600 8,200	4.48 14'4"

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



Reach (m/ft)	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb			
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2700 5,800			*2050 *4,500	*2050 *4,500	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	4050 8,750	*3700 *8,000	2650 5,650			*2050 *4,500	1900 4,150	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6900 14,800	*5300 *11,400	3800 8,150	3700 7,900	2500 5,400	*2400	1800	*2150 *4,750	1800 3,900	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6450 13,800	5500 11,800	3550 7,700	3550 7,650	2400 5,150			*2400 *5,250	1800 3,900	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	6300 13,500	5400 11,550	3450 7,450	3500 7,550	2350 5,050			*2850 *6,250	1950 4,300	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	6350 13,650	5400 11,550	3450 7,450	3550	2350			3500 7,800	2350 5,250	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	*6400 *13,550							*4000 *8,800	3650 8,300	4.48 14'4"



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.

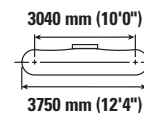
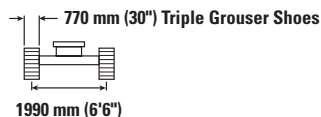
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

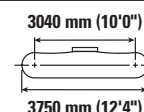
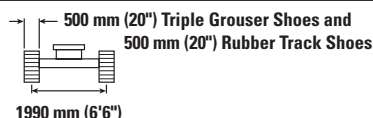
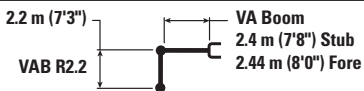
2700 mm (8'10") Blade



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft/in		
7.5 m 25.0 ft	kg lb											*2600 *5,850	*2600 *5,850	4.49 14'1"
6.0 m 20.0 ft	kg lb							*2250	*2250			*2200 *4,850	*2200 *4,850	6.03 19'6"
4.5 m 15.0 ft	kg lb							*3350 *7,300	2750 5,850			*2050 *4,500	*2050 *4,500	6.92 22'6"
3.0 m 10.0 ft	kg lb			*5350 *11,450	*5350 *11,450	*4200 *9,050	4100 8,850	*3700 *8,000	2650 5,700			*2050 *4,500	1900 4,150	7.40 24'2"
1.5 m 5.0 ft	kg lb			*8200 *17,650	6950 14,950	*5300 *11,400	3850 8,250	3750 8,000	2550 5,450	*2400	1800	*2150 *4,750	1800 3,950	7.55 24'9"
0 m 0 ft	kg lb			*7250 *16,750	6500 13,950	5550 11,950	3600 7,750	3600 7,750	2450 5,200			*2400 *5,250	1800 3,950	7.40 24'3"
-1.5 m -5.0 ft	kg lb	*4350 *9,700	*4350 *9,700	*9200 *21,000	6350 13,650	5450 11,700	3500 7,550	3550 7,600	2350 5,100			*2850 *6,250	1950 4,300	6.91 22'7"
-3.0 m -10.0 ft	kg lb	*7450 *16,800	*7450 *16,800	*8800 *19,050	6400 13,750	5450 11,700	3500 7,550	3600	2400			3550 7,900	2400 5,300	6.02 19'7"
-4.5 m -15.0 ft	kg lb			*6400 *13,550	*6400 *13,550							*4000 *8,800	3700 8,400	4.48 14'4"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in		
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100							*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4100 8,750					*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	4000 8,550	3650 *7,200	2500 5,300			*2550 *5,650	2300 5,100	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	6900 14,900	5700 12,250	3750 8,000	3600 7,700	2400 5,150			*2500 *5,550	1950 4,300	6.79 22'2"
1.5 m 5.0 ft	kg lb			5350 11,550	3450 7,400	3450 7,400	2300 4,900			*2600 *5,750	1850 4,000	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5150 11,050	3250 7,000	3350 7,200	2200 4,700			2850 6,200	1850 4,100	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	5900 12,600	*5000 *10,750	3200 6,900	*3350 *6,950	2200 4,700			*2900 *6,400	2100 4,600	6.25 20'5"



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.

Max length of VAB.

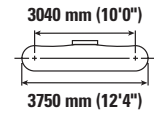
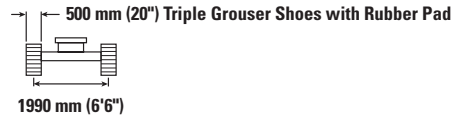
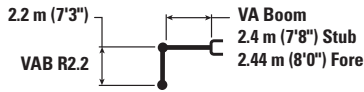
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

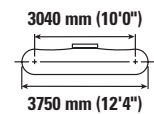
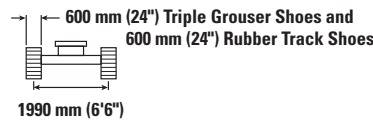
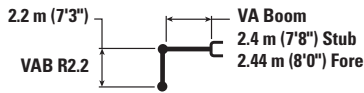
2500 mm (8'2") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4200 9,000			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	4100 8,850	*3800 *7,200	2550 5,450	*2550 *5,650	2350 5,250	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	7100 15,350	5900 12,700	3850 8,300	3700 7,950	2500 5,350	*2500 *5,550	2050 4,450	6.79 22'2"
1.5 m 5.0 ft	kg lb			5550 11,950	3550 7,650	3600 7,700	2350 5,100	*2600 *5,750	1900 4,150	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5350 11,500	3350 7,250	3500 7,500	2300 4,900	*2900 *6,350	1950 4,250	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	6100 13,050	*5000 *10,750	3300 7,150	*3350 *6,950	2250 4,900	*2900 *6,400	2150 4,750	6.25 20'5"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2600 mm (8'6") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4150 8,900			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	4050 8,750	3750 *7,200	2550 5,400	*2550 *5,650	2350 5,200	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	7050 15,200	5800 12,500	3800 8,200	3650 7,850	2450 5,250	*2500 *5,550	2000 4,400	6.79 22'2"
1.5 m 5.0 ft	kg lb			5450 11,750	3500 7,550	3500 7,550	2350 5,000	*2600 *5,750	1900 4,100	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5250 11,300	3300 7,150	3450 7,350	2250 4,850	2900 6,350	1900 4,200	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	6000 12,900	*5000 *10,750	3300 7,050	*3350 *6,950	2250 4,800	*2900 *6,400	2150 4,700	6.25 20'5"



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.

Max length of VAB.

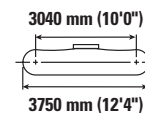
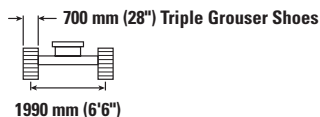
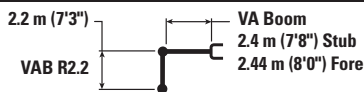
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

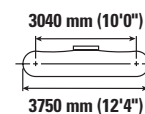
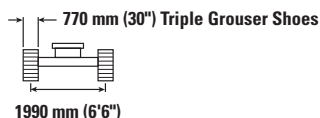
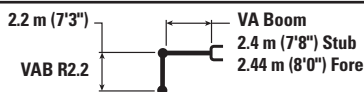
2700 mm (8'10") Blade



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Width	Blade Height	
		Hydraulic Capacity	Tipping Load	Hydraulic Capacity	Tipping Load	Hydraulic Capacity	Tipping Load			
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4200 9,000			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	4100 8,850	*3800 *7,200	2550 5,450	*2550 *5,650	2400 5,250	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	7150 15,400	5900 12,650	3850 8,300	3700 7,950	2500 5,350	*2500 *5,550	2050 4,450	6.79 22'2"
1.5 m 5.0 ft	kg lb			5550 11,900	3550 7,650	3550 7,650	2350 5,100	*2600 *5,750	1900 4,200	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5350 11,450	3350 7,250	3500 7,450	2300 4,900	*2900 *6,350	1950 4,250	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	6100 13,100	*5000 *10,750	3350 7,150	*3350 *6,950	2300 4,900	*2900 *6,400	2150 4,750	6.25 20'5"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Width	Blade Height	
		Hydraulic Capacity	Tipping Load	Hydraulic Capacity	Tipping Load	Hydraulic Capacity	Tipping Load			
7.5 m 25.0 ft	kg lb	*4650 *9,100	*4650 *9,100					*3700 *8,500	*3700 *8,500	3.36 10'2"
6.0 m 20.0 ft	kg lb	*4650 *10,300	*4650 *10,300	*4550 *9,700	4250 9,100			*2800 *6,250	*2800 *6,250	5.26 16'11"
4.5 m 15.0 ft	kg lb	*5050 *10,900	*5050 *10,900	*5300 *11,450	4150 8,900	*3800 *7,200	2600 5,550	*2550 *5,650	2400 5,300	6.26 20'4"
3.0 m 10.0 ft	kg lb	*8900 *19,200	7200 15,500	5950 12,750	3900 8,350	3750 8,050	2500 5,400	*2500 *5,550	2050 4,500	6.79 22'2"
1.5 m 5.0 ft	kg lb			5600 12,050	3600 7,750	3600 7,750	2400 5,150	*2600 *5,750	1950 4,250	6.95 22'9"
0 m 0 ft	kg lb	*5200 *12,150	*5200 *12,150	5400 11,550	3400 7,350	3500 7,550	2300 4,950	*2900 *6,350	1950 4,300	6.79 22'2"
-1.5 m -5.0 ft	kg lb	*6450 *14,000	6150 13,200	*5000 *10,750	3350 7,250	*3350 *6,950	2300 4,950	*2900 *6,400	2200 4,800	6.25 20'5"



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.

Max length of VAB.

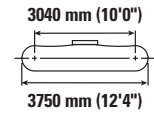
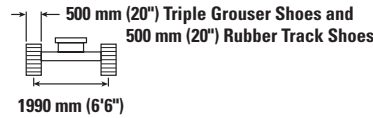
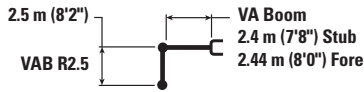
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

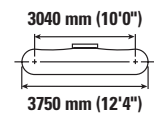
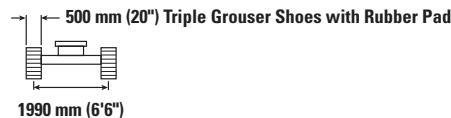
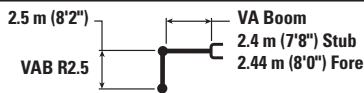
2500 mm (8'2") Blade



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 *8,900			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4050 8,750	3750 *8,000	2550 5,450	*2200 *4,850	2150 4,750	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7150 15,400	5800 12,450	3800 8,200	3650 7,800	2450 5,250	*2200 *4,800	1850 4,100	7.08 23'2"
1.5 m 5.0 ft	kg lb			5450 11,700	3500 7,550	3500 7,500	2350 5,000	*2250 *4,950	1750 3,850	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 12,650	5200 11,200	3300 7,100	3400 7,300	2250 4,750	*2500 *5,450	1800 3,900	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	5900 12,650	5150 11,000	3250 6,950	3350 7,200	2200 4,700	*2900 *6,400	1950 4,300	6.57 21'6"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 *8,900			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4200 9,000	*3850 *8,000	2650 5,600	*2200 *4,850	*2200 *4,850	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7350 15,850	*5850 *12,550	3950 8,450	3750 8,100	2550 5,450	*2200 *4,800	1950 4,250	7.08 23'2"
1.5 m 5.0 ft	kg lb			5650 12,150	3600 7,800	3650 7,800	2400 5,150	*2250 *4,950	1800 4,000	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 13,100	5400 11,600	3400 7,350	3500 7,550	2300 4,950	*2500 *5,450	1850 4,050	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	6100 13,100	*5300 11,400	3350 7,200	3500 7,500	2300 4,900	*2900 *6,400	2050 4,450	6.57 21'6"



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.

Max length of VAB.

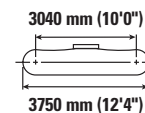
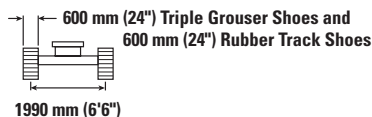
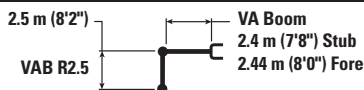
Lift capacity stays with ±5% for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

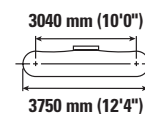
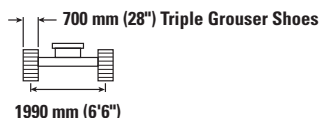
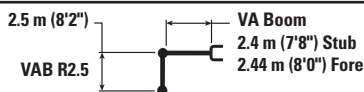
2600 mm (8'6") Blade



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 *8,900			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4150 8,900	3800 *8,000	2600 5,550	*2200 *4,850	2200 *4,850	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7250 15,650	*5850 *12,550	3900 8,350	3700 7,950	2500 5,350	*2200 *4,800	1900 4,200	7.08 23'2"
1.5 m 5.0 ft	kg lb			5550 11,900	3600 7,700	3550 7,650	2400 5,100	*2250 *4,950	1800 3,950	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 12,950	5300 11,400	3350 7,250	3450 7,400	2300 4,900	*2500 *5,450	1800 4,000	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	6050 12,900	5250 11,200	3300 7,100	3400 7,350	2250 4,800	*2900 *6,400	2000 4,400	6.57 21'6"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



Reach	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		Blade Up		m ft/in
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 *8,900			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4200 9,000	*3850 *8,000	2650 5,600	*2200 *4,850	*2200 *4,850	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7350 15,850	*5850 *12,550	3950 8,450	3750 8,050	2550 5,450	*2200 *4,800	1950 4,250	7.08 23'2"
1.5 m 5.0 ft	kg lb			5650 12,100	3650 7,800	3600 7,750	2400 5,200	*2250 *4,950	1800 4,000	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 13,150	5400 11,550	3400 7,350	3500 7,550	2300 4,950	*2500 *5,450	1850 4,050	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	6100 13,100	5300 11,400	3350 7,200	3450 7,450	2300 4,900	*2900 *6,400	2050 4,500	6.57 21'6"



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.

Max length of VAB.

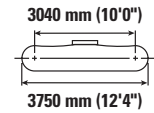
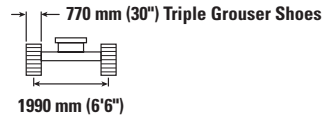
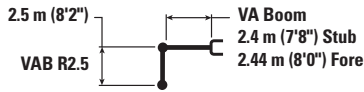
Lift capacity stays with  $\pm 5\%$  for all available track shoes.

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

# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

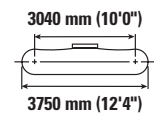
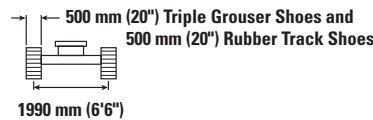
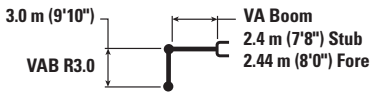
2700 mm (8'10") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*4450 *9,550	*4450 *9,550					*3000 *6,850	*3000 *6,850	3.93 12'2"
6.0 m 20.0 ft	kg lb	*4000 *8,850	*4000 *8,850	*4100 *8,900	*4100 *8,900			*2400 *5,350	*2400 *5,350	5.63 18'2"
4.5 m 15.0 ft	kg lb	*4100 *9,000	*4100 *9,000	*4550 *9,900	4250 9,100	*3850 *8,000	2650 5,650	*2200 *4,850	*2200 *4,850	6.57 21'5"
3.0 m 10.0 ft	kg lb	*8550 *18,400	7450 16,000	*5850 *12,550	3950 8,550	3800 8,150	2550 5,500	*2200 *4,800	1950 4,300	7.08 23'2"
1.5 m 5.0 ft	kg lb			5700 12,200	3650 7,900	3650 7,850	2450 5,250	*2250 *4,950	1850 4,050	7.24 23'8"
0 m 0 ft	kg lb	*5700 *13,200	*5700 *13,200	5450 11,700	3450 7,450	3550 7,600	2350 5,000	*2500 *5,450	1850 4,100	7.08 23'2"
-1.5 m -5.0 ft	kg lb	*7150 *15,500	6200 13,250	*5300 *11,450	3400 7,300	3500 7,550	2300 4,950	*2900 *6,400	2050 4,550	6.57 21'6"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	2600 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2600 5,550			*1900 *4,150	*1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3900 8,350	3700 7,900	2500 5,300	*2100 1700	1700	*1850 *4,100	1700 3,700	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600 *14,800	13,850 12,700	11,850 11,200	7,650 7,100	7,550 7,250	5,000 4,750	2500 *5,100	1650 3,500	*1950 *4,250	1600 3,450	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	5900 12,700	5200 11,200	3300 7,100	3400 7,250	2200 4,750	*2400 1600	1600	*2100 *4,600	1600 3,500	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5800 12,450	5100 10,900	3200 6,850	3300 7,100	2150 4,600			*2450 *5,400	1750 3,800	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3200 6,850	*2550 5,600	2200			*2400 *5,350	2150 4,800	6.10 19'8"



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.

Max length of VAB.

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

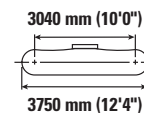
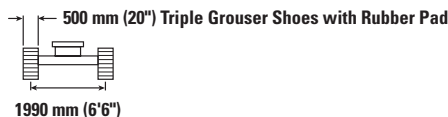
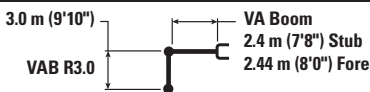
Always refer to the appropriate Operation and Maintenance Manual for specific product information.












# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

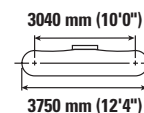
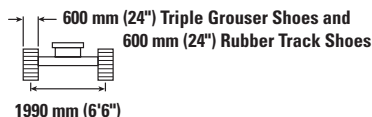
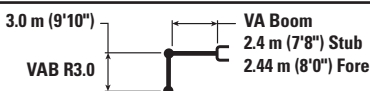
2500 mm (8'2") Blade

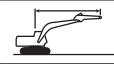










		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	*2600 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2650 5,700			*1900 *4,150	*1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	4000 8,650	3800 8,150	2550 5,500	*2100	1750	*1850 *4,100	1750 3,800	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	14,300	5700 12,250	3700 7,900	3650 7,850	2400 5,200	2600 *5,100	1700 3,650	*1950 *4,250	1650 3,600	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	6150 13,150	5400 11,600	3400 7,350	3500 7,550	2300 4,900	*2400	1650	*2100 *4,600	1650 3,600	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	6000 12,900	5300 11,350	3300 7,100	3450 7,400	2250 4,800			*2450 *5,400	1800 3,950	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3300 7,150	*2550	2250			*2400 *5,350	2250 4,950	6.10 19'8"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2600 mm (8'6") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	*2600 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2650 5,650			*1900 *4,150	*1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	3950 8,550	3750 8,050	2550 5,450	*2100	1750	*1850 *4,100	1700 3,750	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	14,150	5600 12,050	3650 7,800	3600 7,700	2400 5,100	2550 *5,100	1700 3,600	*1950 *4,250	1600 3,550	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	6050 13,000	5300 11,400	3400 7,250	3450 7,400	2250 4,850	*2400	1650	*2100 *4,600	1650 3,550	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	5950 12,750	5200 11,100	3250 7,000	3400 7,250	2200 4,700			*2450 *5,400	1800 3,900	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3250 7,050	*2550	2250			*2400 *5,350	2200 4,900	6.10 19'8"



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.

Max length of VAB.

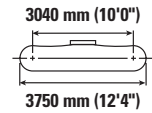
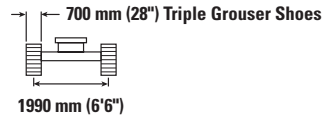
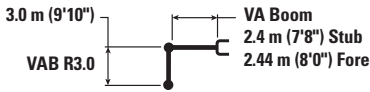
Lift capacity stays with ±5% for all available track shoes.












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

# 313 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

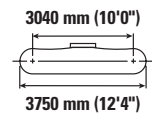
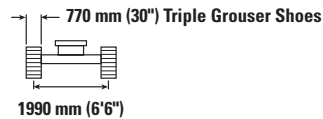
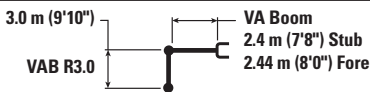
2700 mm (8'10") Blade

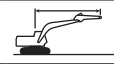












		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	*2600 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2700 5,750			*1900 *4,150	*1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	4000 8,650	3800 8,150	2550 5,500	*2100 1750		*1850 *4,100	1750 3,850	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	14,350	5700 12,200	3700 7,900	3650 7,800	2400 5,200	2550 *5,100	1700 3,650	*1950 *4,250	1650 3,600	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	6150 13,200	5400 11,600	3450 7,350	3500 7,500	2300 4,950	*2400 1650		*2100 *4,600	1650 3,650	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	6050 12,900	5250 11,300	3300 7,100	3450 7,350	2250 4,800			*2450 *5,400	1800 3,950	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3300 7,150	*2550	2250			*2400 *5,350	2250 4,950	6.10 19'8"

## Variable Angle Boom Lift Capacities – Counterweight: 2.47 mt (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft/in
												
7.5 m 25.0 ft	kg lb	*3800 *8,350	*3800 *8,350	*2950 *5,450	*2950 *5,450					*2400 *5,400	*2400 *5,400	4.74 15'0"
6.0 m 20.0 ft	kg lb			*3450 *7,550	*3450 *7,550	*2600 *4,850	*2600 *4,850			*2000 *4,450	*2000 *4,450	6.22 20'1"
4.5 m 15.0 ft	kg lb	*3050 *6,750	*3050 *6,750	*3600 *7,900	*3600 *7,900	*3500 *7,550	2700 5,800			*1900 *4,150	*1900 *4,150	7.09 23'1"
3.0 m 10.0 ft	kg lb	*6050 *12,500	*6050 *12,500	*4950 *10,700	4050 8,700	3850 8,200	2600 5,550	*2100 1800		*1850 *4,100	1750 3,850	7.56 24'8"
1.5 m 5.0 ft	kg lb	*20,600	14,500	5750 12,350	3700 8,000	3650 7,900	2450 5,250	2600 *5,100	1750 3,700	*1950 *4,250	1650 3,650	7.70 25'3"
0 m 0 ft	kg lb	*6400 *14,800	6200 13,300	5450 11,700	3450 7,450	3550 7,600	2350 5,000	*2400 1700		*2100 *4,600	1700 3,650	7.55 24'9"
-1.5 m -5.0 ft	kg lb	*8000 *17,350	6100 13,050	5300 11,400	3350 7,200	3450 7,450	2250 4,850			*2450 *5,400	1850 4,000	7.08 23'2"
-3.0 m -10.0 ft	kg lb	*5500 *11,850	*5500 *11,850	*4150 *8,800	3350 7,200	*2550	2300			*2400 *5,350	2250 5,050	6.10 19'8"



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.

Max Length of VAB.

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

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

# 313 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – Europe

	Linkage	Width		Capacity		Weight		Fill	2.47 mt (5,445 lb) Counterweight						
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	Reach Boom			Variable Angle Boom		
										R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
<b>Pin-On (No Quick Coupler)</b>															
General Duty	312	600	24	0.31	0.40	316	696	100	●	●	●	●	●	●	
	312	900	36	0.53	0.69	414	914	100	●	●	●	●	●	⊙	
	312	1000	39	0.60	0.78	438	967	100	●	●	●	●	●	⊙	
	312	1100	43	0.68	0.89	474	1,045	100	●	●	⊙	⊙	⊙	⊖	
General Duty (without Adjuster GP)	312	450	18	0.20	0.26	266	587	100	●	●	●	●	●	●	
	312	600	24	0.31	0.40	310	684	100	●	●	●	●	●	●	
	312	750	30	0.41	0.54	358	790	100	●	●	●	●	●	●	
	312	900	36	0.53	0.69	407	898	100	●	●	●	●	●	●	
Heavy Duty	312	450	18	0.20	0.27	279	615	100	●	●	●	●	●	●	
	312	1200	48	0.76	0.99	513	1,131	100	⊙	⊙	⊖	⊖	⊖	○	
Ditch Cleaning	312	1800	72	0.68	0.89	540	1,191	100	●	⊙	⊖	⊙	⊖	○	
Ditch Cleaning Tilt	312	1800	72	0.60	0.78	724	1,597	100	●	⊙	⊖	⊖	⊖	○	
Maximum load with pin-on (payload + bucket)								kg	1930	1890	1680	1750	1660	1470	
								lb	4,264	4,165	3,696	3,859	3,650	3,240	
<b>With Cat Pin Grabber Coupler</b>															
General Duty	312	600	24	0.31	0.40	316	696	100	●	●	●	●	●	●	
	312	900	36	0.53	0.69	414	914	100	●	●	●	●	●	⊖	
	312	1000	39	0.60	0.78	438	967	100	●	●	⊙	⊙	⊙	○	
	312	1100	43	0.68	0.89	474	1,045	100	⊙	⊙	⊖	⊖	⊖	○	
	312	1200	48	0.76	1.00	504	1,110	100	⊖	⊖	○	○	○	◇	
	312	450	18	0.20	0.26	266	587	100	●	●	●	●	●	●	
	312	600	24	0.31	0.40	310	684	100	●	●	●	●	●	●	
	312	750	30	0.41	0.54	358	790	100	●	●	●	●	●	●	
	312	900	36	0.53	0.69	407	898	100	●	●	●	●	●	⊖	
	312	1050	42	0.65	0.84	457	1,006	100	⊙	⊙	⊖	⊖	⊖	○	
Heavy Duty	312	450	18	0.20	0.27	279	615	100	●	●	●	●	●	●	
	312	1200	48	0.76	0.99	513	1,131	100	⊖	⊖	○	○	○	◇	
Ditch Cleaning	312	1800	72	0.68	0.89	540	1,191	100	⊙	⊖	○	⊖	○	◇	
Ditch Cleaning Tilt	312	1800	72	0.60	0.78	724	1,597	100	⊖	⊖	○	○	○	◇	
Maximum load with coupler (payload + bucket)								kg	1734	1690	1477	1551	1456	1270	
								lb	3,823	3,725	3,256	3,419	3,209	2,800	

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

*(continued on next page)*

# 313 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – Europe (continued)

	Linkage	Width		Capacity		Weight		Fill %	2.47 mt (5,445 lb) Counterweight					
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		Reach Boom			Variable Angle Boom		
									R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
<b>With CW20 Coupler</b>														
General Duty	312	600	24	0.31	0.40	341	752	100	●	●	●	●	●	●
	312	900	36	0.53	0.69	426	940	100	●	●	⊙	●	⊙	⊖
	312	1100	43	0.68	0.89	487	1,073	100	⊙	⊙	⊖	⊖	⊖	○
	312	1200	48	0.76	1.00	516	1,137	100	⊖	⊖	○	○	○	◇
Heavy Duty	312	1200	48	0.76	1.00	526	1,159	100	⊖	⊖	○	○	○	◇
General Duty – Leveling Edge	312	690	27	0.40	0.52	413	910	100	●	●	●	●	●	●
	312	600	24	0.33	0.43	395	870	100	●	●	●	●	●	●
	312	790	31	0.47	0.61	455	1,003	100	●	●	●	●	●	⊙
	312	996	39	0.63	0.83	517	1,140	100	⊙	⊙	⊖	⊖	⊖	○
	312	1184	47	0.80	1.05	603	1,328	100	○	○	◇	○	◇	X
Ditch Cleaning	312	1800	72	0.68	0.89	516	1,138	100	⊙	⊙	○	⊖	○	◇
	312	1800	72	0.90	1.18	554	1,221	100	○	○	◇	◇	◇	X
								kg	1729	1684	1471	1545	1451	1265
								lb	3,812	3,713	3,244	3,407	3,198	2,788
<b>With CW20s Coupler</b>														
General Duty	312	450	18	0.20	0.26	301	664	100	●	●	●	●	●	●
	312	500	20	0.24	0.31	310	684	100	●	●	●	●	●	●
	312	600	24	0.31	0.40	329	726	100	●	●	●	●	●	●
	312	750	30	0.41	0.54	377	830	100	●	●	●	●	●	●
	312	900	36	0.53	0.69	426	940	100	●	●	⊙	●	⊙	⊖
	312	1000	39	0.60	0.78	451	995	100	●	●	⊖	⊙	⊖	○
	312	1100	43	0.68	0.89	487	1,073	100	⊙	⊙	⊖	⊖	⊖	○
	312	1200	48	0.76	1.00	516	1,137	100	⊖	⊖	○	○	○	◇
Heavy Duty	312	500	20	0.24	0.31	313	689	100	●	●	●	●	●	●
	312	1200	48	0.76	1.00	524	1,154	100	⊖	⊖	○	○	○	◇
Ditch Cleaning	312	1800	72	0.68	0.89	548	1,207	100	⊙	⊖	○	⊖	○	◇
	312	2000	78	1.00	1.31	630	1,389	100	◇	◇	X	◇	X	X
Ditch Cleaning Tilt	312	1800	72	0.60	0.78	822	1,812	100	⊖	⊖	◇	○	◇	X
								kg	1751	1706	1493	1567	1473	1287
								lb	3,860	3,762	3,292	3,456	3,246	2,836

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

(continued on next page)

# 313 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – Europe (continued)

	Linkage	Width		Capacity		Weight		Fill	2.47 mt (5,445 lb) Counterweight						
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	Reach Boom			Variable Angle Boom		
										R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
<b>Pin-On, TRS10 CW20</b>															
Grading – General Duty	312	1600	63	0.76	0.99	571	1,259	100	●	●	●	●	●	●	
Maximum load with coupler (payload + bucket)								kg	3719	3620	3151	3314	3105	2695	
								lb	8,198	7,982	6,946	7,306	6,845	5,941	
<b>Pin-On, TRS10 CW20s</b>															
Grading – General Duty	312	1500	59	0.65	0.85	528	1,164	100	○	○	◇	◇	◇	X	
Trenching – General Duty	312	540	21	0.37	0.48	336	740	100	●	●	●	●	●	⊖	
Maximum load with coupler (payload + bucket)								kg	1378	1333	1120	1194	1100	914	
								lb	3,038	2,940	2,470	2,633	2,424	2,014	
<b>Pin-On, TRS10 S60</b>															
Grading – Heavy Duty	312	1500	59	0.52	0.68	511	1,127	100	⊙	⊙	○	⊖	○	◇	
	312	1500	59	0.65	0.85	535	1,179	100	⊖	⊖	◇	○	◇	X	
	312	1600	63	0.75	0.98	576	1,270	100	○	○	◇	◇	◇	X	
Trenching – Heavy Duty	312	540	21	0.33	0.43	320	706	100	●	●	●	●	●	●	
Maximum load with coupler (payload + bucket)								kg	1507	1462	1249	1323	1229	1043	
								lb	3,322	3,224	2,754	2,918	2,708	2,299	
<b>With CW20S, TRS10 CW20s</b>															
Grading – Heavy Duty	312	1500	59	0.65	0.85	528	1,164	100	◇	◇	X	X	X	X	
Trenching – Heavy Duty	312	540	21	0.37	0.48	336	740	100	●	●	⊖	⊙	⊖	◇	
Maximum load with coupler (payload + bucket)								kg	1185	1140	927	1001	907	721	
								lb	2,612	2,514	2,045	2,208	1,998	1,589	
<b>With S60, TRS10 S60</b>															
Grading – Heavy Duty	312	1500	59	0.52	0.68	511	1,127	100	⊖	⊖	◇	○	◇	X	
	312	1500	59	0.65	0.85	535	1,179	100	○	○	X	◇	X	X	
	312	1600	63	0.75	0.98	576	1,270	100	◇	◇	X	X	X	X	
Trenching – Heavy Duty	312	540	21	0.33	0.43	320	706	100	●	●	●	●	●	⊖	
Maximum load with coupler (payload + bucket)								kg	1347	1302	1089	1163	1069	883	
								lb	2,969	2,871	2,402	2,565	2,356	1,946	

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 313 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – Australia and New Zealand

	Linkage	Width		Capacity		Weight		Fill	2.47 mt (5,445 lb) Counterweight		
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	Reach Boom	
										R2.5 (8'2")	R3.0 (9'10")
<b>Pin-On (No Quick Coupler)</b>											
Utility Duty	312	450	18	0.2	0.26	256	565	100	●	●	
	312	600	24	0.3	0.39	299	660	100	●	●	
	312	900	36	0.5	0.65	388	856	100	●	●	
General Duty	312	450	18	0.20	0.26	266	587	100	●	●	
	312	600	24	0.31	0.40	310	684	100	●	●	
	312	750	30	0.41	0.54	358	790	100	●	●	
	312	750	30	0.41	0.54	410	903	100	●	●	
	312	900	36	0.53	0.69	407	898	100	●	●	
	312	900	36	0.53	0.69	451	994	100	●	●	
Clean Up	312	1050	42	0.65	0.84	457	1,006	100	●	⊙	
	312	1500	60	1.02	1.33	651	1,435	100	○	◇	
Ditch Cleaning Tilt	312	1800	72	1.29	1.68	748	1,649	100	◇	X	
	312	1500	60	0.74	0.98	704	1,553	100	⊖	○	
	312	1800	72	0.90	1.18	784	1,728	100	○	◇	
Maximum load with pin-on (payload + bucket)								kg	1890	1680	
								lb	4,165	3,696	
<b>With Cat Pin Grabber Coupler</b>											
Utility Duty	312	450	18	0.2	0.26	256	565	100	●	●	
	312	600	24	0.3	0.39	299	660	100	●	●	
	312	900	36	0.5	0.65	388	856	100	●	●	
General Duty	312	450	18	0.20	0.26	266	587	100	●	●	
	312	600	24	0.31	0.40	310	684	100	●	●	
	312	750	30	0.41	0.54	358	790	100	●	●	
	312	750	30	0.41	0.54	410	903	100	●	●	
	312	900	36	0.53	0.69	407	898	100	●	●	
	312	900	36	0.53	0.69	451	994	100	●	●	
Clean Up	312	1050	42	0.65	0.84	457	1,006	100	⊙	⊖	
	312	1500	60	1.02	1.33	651	1,435	100	◇	X	
Ditch Cleaning Tilt	312	1800	72	1.29	1.68	748	1,649	100	X	X	
	312	1500	60	0.74	0.98	704	1,553	100	○	◇	
	312	1800	72	0.90	1.18	784	1,728	100	◇	X	
Maximum load with coupler (payload + bucket)								kg	1690	1477	
								lb	3,725	3,256	

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled. Capacity based on ISO 7451:2007.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 313 Hydraulic Excavator Specifications

## Attachments Offering Guide – Europe

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

Match

Working range front only

1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

No Match

### PIN-ON ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC S	✓	✓	✓	✓	✓	✓
	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G312 GC	✓	✓	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓	✓	✓*			
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓
Orange Peel Grapples	GSV520 GC-400	○	○		○	○	
	GSV520 GC-500	○					

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC S	✓	✓	✓	✓	✓	✓
	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓*			
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G312 GC	✓	✓				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

### CW-20S DEDICATED COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC S	✓	✓	✓			
	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓				
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G312 GC	✓	✓	✓*	✓*		
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓*	✓*				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

(continued on next page)

# 313 Hydraulic Excavator Specifications

## Attachments Offering Guide – Europe (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

### CW-20 DEDICATED COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC S	✓	✓	✓	✓	✓	✓*
	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓*			
	H115 S	✓	✓	✓			
Demolition and Sorting Grapples	G312 GC	✓	✓	✓*	✓*		
	G312 GC Fixed CAN	✓	✓	✓			
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓*					
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

### S60 DEDICATED COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC S	✓	✓	✓	✓	✓	✓
	H110 S	✓	✓	✓	✓	✓	✓
	H115 GC S	✓	✓	✓	✓	✓	✓*
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G312 GC	✓	✓	✓*			
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓*	✓*				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

### HCS60 COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓
Demolition and Sorting Grapples	G312 GC	✓	✓				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

(continued on next page)



# 313 Hydraulic Excavator Specifications

## Attachments Offering Guide – Europe (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

### HCS65 COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Stick Length		R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")	R2.2 (7'3")	R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 S	✓	✓	✓	✓	✓	✓
	H115 S	✓	✓	✓	✓	✓	✓*
Demolition and Sorting Grapples	G312 GC	✓*	✓*				
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	✓	✓	✓

### BOOM-MOUNT ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)					
Boom Type		Reach			Variable Angle		
Mobile Scrap and Demolition Shears	S3025 Flat Top		✓				✓

# 313 Hydraulic Excavator Specifications

## Attachments Offering Guide – Australia and New Zealand

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

### PIN-ON ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)	
Boom Type		Reach	
Stick Length		R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC	✓	✓
	H110 GC S	✓	✓
	H110 S	✓	✓
	H115 GC	✓	✓
	H115 GC S	✓	✓
	H115 S	✓	✓
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓	✓*
Compactors (Vibratory Plate)	CVP75	✓	✓
Mulchers	HM2615 Standard	✓	✓
	HM3013 Dedicated Bite Limiter	✓	✓

### CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)	
Boom Type		Reach	
Stick Length		R2.5 (8'2")	R3.0 (9'10")
Hydraulic Hammers	H110 GC	✓	✓
	H110 GC S	✓	✓
	H110 S	✓	✓
	H115 GC	✓	✓
	H115 GC S	✓	✓*
	H115 S	✓	✓
Mobile Scrap and Demolition Shears	S3015	✓*	
Compactors (Vibratory Plate)	CVP75	✓	✓
Mulchers	HM2615 Standard	✓	✓
	HM3013 Dedicated Bite Limiter	✓	

### BOOM-MOUNT ATTACHMENTS

Counterweight		2.47 mt (5,445 lb)	
Boom Type		Reach	
Mobile Scrap and Demolition Shears	S3025	✓	
	S3025 Flat Top	✓	

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>BOOMS, STICKS AND LINKAGES</b>			<b>ELECTRICAL SYSTEM</b>		
Variable Angle boom (2.4 m [7'8"] stub + 2.44 [8'0"] fore) <sup>1</sup>		✓	Maintenance free battery	✓	
4.65 m (15'3") Reach boom		✓	Centralized electrical disconnect switch	✓	
2.2 m (7'3") Reach stick <sup>1</sup>		✓	LED chassis light, left-side/right-side boom light, cab lights	✓	
2.5 m (8'2") Reach stick		✓	Programmable time-delay LED working lights	✓	
3.0 m (9'8") Reach stick		✓	360° lighting		✓
Bucket linkage, with lifting eye, Cat Grade	✓		<b>ENGINE</b>		
<b>CAT TECHNOLOGY</b>			Cat® C3.6 single turbo diesel engine	✓	
Cat Product Link™	✓		Three selectable modes: Power, Smart, Eco	✓	
Remote Flash	✓		One-touch low idle with automatic engine speed control	✓	
Remote Troubleshoot	✓		Auto engine shutdown	✓	
Cat Grade Connectivity		✓	52° C (125° F) high-ambient cooling capacity without derate	✓	
Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓		-25° C (-13° F) cold start capability <sup>1</sup>	✓	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓		-18° C (-0° F) cold start capability <sup>2</sup>	✓	
Cat Grade with 2D and offset memory		✓	Electric fuel priming pump	✓	
Cat Grade with Advanced 2D		✓	Variable speed fan	✓	
Cat Grade with 3D single GNSS		✓	Single fuel filtration system	✓	
Cat Grade with 3D dual GNSS		✓	Sealed double element air filter with integrated pre-cleaner	✓	
Cat Assist:	✓		<sup>1</sup> Europe only.		
– Boom Assist			<sup>2</sup> Australia and New Zealand only.		
– Bucket Assist					
– Swing Assist					
– Grade Assist					
– Lift Assist					
Cat Payload:	✓				
– Static weigh					
– Semiautomatic calibration					
– Payload/cycle information					
– USB reporting capability					
2D E-Fence:	✓				
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Auto hammer stop	✓				
Work tool recognition	✓				
Work tool tracking*	✓				

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

<sup>1</sup>Europe only.

(continued on next page)

# 313 Standard and Optional Equipment

## Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
<b>HYDRAULIC SYSTEM</b>			<b>UNDERCARRIAGE AND STRUCTURES</b>		
Boom and stick regeneration circuits	✓		Grease lubricated track link	✓	
Automatic hydraulic oil warm up	✓		Center track guiding guards	✓	
Automatic two-speed travel	✓		Bottom guards	✓	
Electric main control valve	✓		Travel motor guards	✓	
Boom and stick drift reduction valve	✓		Swivel guard	✓	
Swing drive, without fine swing control function	✓		500 mm (20") triple grouser track shoes	✓	
Boom and stick lowering check valves		✓	500 mm (20") triple grouser track shoes with rubber pad		✓
Medium-pressure line		✓	500 mm (20") rubber track shoes		✓
High-pressure line		✓	600 mm (24") triple grouser track shoes		✓
Quick coupler line		✓	600 mm (24") rubber track shoes		✓
<b>SAFETY AND SECURITY</b>			700 mm (28") triple grouser track shoes		✓
Cat Detect – People detection		✓	770 mm (30") triple grouser track shoes <sup>1</sup>		✓
Rear and right-side-view cameras		✓	2500 mm (8'2") blade		✓
360° visibility		✓	2600 mm (8'6") blade		✓
Ground level engine shutoff switch	✓		2700 mm (8'10") blade		✓
Service platform with anti-skid plate and countersunk bolts	✓		2.47 mt (5,445 lb) counterweight	✓	
Signaling/warning horn	✓		ISO 15818:2017 tie-down points on base frame	✓	
Swing alarm		✓			
Hydraulic lock out lever	✓				
Inspection lighting		✓			
<b>SERVICE AND MAINTENANCE</b>					
Side entry to service platform	✓				
Grouped engine oil and fuel filters	✓				
Ground level engine oil dipstick	✓				
Scheduled Oil Sampling (S·O·S <sup>SM</sup> ) ports	✓				
Integrated vehicle health management system		✓			

<sup>1</sup>Europe only.

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

### CAB

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

### GUARDS

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

### SAFETY AND SECURITY

- 76 mm (3") retractable seat belt

# 313 Cab Options

## Cab Options

	Deluxe	Premium* (2 piece windshield)	Premium* (1 piece windshield)
ROPS	●	●	●
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/Aux ports**	●	X	X
Monitor integrated Bluetooth radio with USB/Aux ports/DAB*	●	●	●
12V DC outlets	●	●	●
Document storage	●	●	●
Overhead storage and rear storage with nets	●	●	●
Beverage holder	●	●	●
Cup holder	●	●	●
Openable two-piece front window	●	●	○
One piece front windshield	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

\* Europe only

\*\* Australia and New Zealand only

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

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

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

## Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg (1.9 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 1.216 metric tonnes (1.340 tons).

## Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

## Sound Performance

ISO 6395 (external) 100 dB(A)

ISO 6396 (inside cab) 68 dB(A)

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

## Oils and Fluids

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

## Features and Technology

- The 313 is up to 10% more fuel efficient than the 313F. 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 system balances power and efficiency
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode minimizes fuel consumption for light applications
  - One-touch low idle with automatic engine speed control
  - Cat Grade with 2D improves operator efficiency by up to 45%
  - Cut maintenance costs up to 25% with extended and synchronized intervals
  - Remote Flash and Remote Troubleshoot

## Recycling

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

Material Type	Weight Percentage
Steel	80.28%
Iron	4.22%
Nonferrous Metal	2.85%
Mixed Metal	0.34%
Mixed-Metal and Nonmetal	2.73%
Plastic	0.08%
Rubber	4.25%
Mixed Nonmetallic	1.05%
Fluid	2.79%
Other	1.41%
Uncategorized	0.00%
Total	100%

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

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

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

Recyclability – 95%

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2022 Caterpillar  
All rights reserved

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

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ2875-05 (09-2022)  
Replaces AEXQ2875-04  
Build Number: 07D  
(Europe, Aus-NZ)

