

313
Hydraulic Excavator

Technical Specifications

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

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313 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C3.6	
Net Power		
ISO 9249	81 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 in³
Biodiesel Capability	Up to B20(1)	

- 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.

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

✓ 20% biodiesel FAME (fatty acid methyl ester)***

✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

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

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

Swing Mechanism

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

Weights

Operating Weight	13 800 kg	30,400 lb

- Long undercarriage, Reach boom, R3.0 (9'10") stick, General Duty (GD) 0.53 m³ (0.69 yd³) bucket, 700 mm (28") triple grouser shoes and 2470 kg (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
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 or R1234yf. See the label or instruction manual for identification of the gas.

– If equipped with R134a (Global Warming Potential = 1430), the system contains 0.9 kg (2.0 lb) of refrigerant which has a CO_2 equivalent of 1.287 metric tonnes (1.418 tons).

– If equipped with R1234yf (Global Warming Potential = 0.5), the system contains 0.7 kg (1.5 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

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
Diesel Exhaust Fluid (DEF) Tank	21 L	5.6 gal

Standards

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

Sound Performance

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

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

Operating Weights and Ground Pressures

	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
Base Machine Configurations	**kg (lb)**	**kPa (psi)**	**kg (lb)**	**kPa (psi)**	**kg (lb)**	**kPa (psi)**
Base Frame with Track Rollers and Carrier Rollers						
2470 kg (5,445 lb) Counterweight and Long Undercarriage Base Machine						
Reach Boom + R3.0 (9'10") Stick + 0.53 m^3 (0.69 yd^3) 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
Reach Boom + R3.0 (9'10") Stick + 0.53 m^3 (0.69 yd^3) GD Bucket + Blade	14 100 (31,100)	42.0 (6.1)	14 500 (32,000)	43.2 6.3	14 200 (31,300)	42.3 6.1

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

	600 mm (24") Triple Grouser Shoes		600 mm (24") Rubber Track Shoes		700 mm (28") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Machine Configurations	**kg (lb)**	**kPa (psi)**	**kg (lb)**	**kPa (psi)**	**kg (lb)**	**kPa (psi)**
Base Frame with Track Rollers and Carrier Rollers						
2470 kg (5,445 lb) Counterweight and Long Undercarriage Base Machine						
Reach Boom + R3.0 (9'10") Stick + 0.53 m^3 (0.69 yd^3) 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)
Reach Boom + R3.0 (9'10") Stick + 0.53 m^3 (0.69 yd^3) GD Bucket + Blade	14 400 (31,700)	35.8 (5.2)	14 600 (32,200)	36.3 5.3	14 600 (32,200)	31.1 (4.5)

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

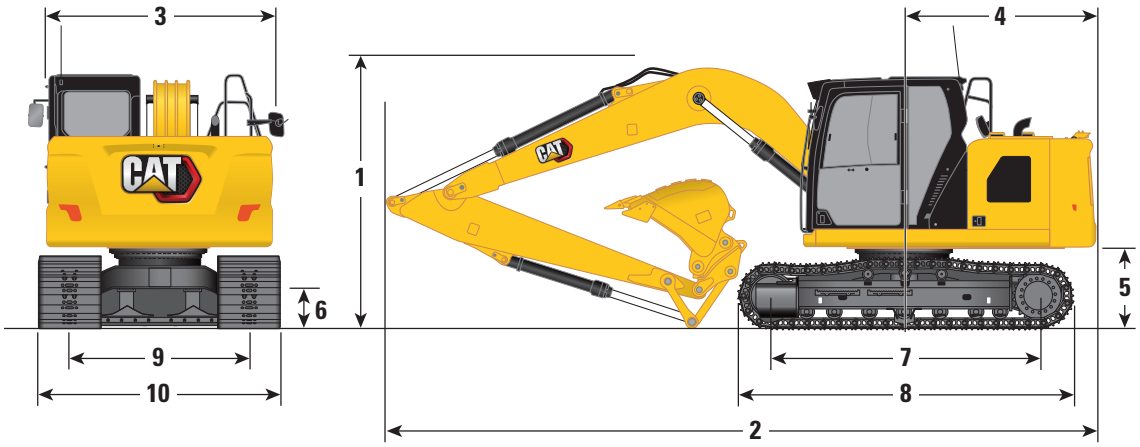
313 Hydraulic Excavator Specifications

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
Track Shoes:		
500 mm (20") Triple Grouser Track Shoes	1540	3,390
500 mm (20") Triple Grouser Track Shoes with Rubber Pad	1950	4,310
500 mm (20") Rubber Track Shoes	1670	3,680
600 mm (24") Triple Grouser Track Shoes	1810	4,000
600 mm (24") Rubber Track Shoes	1970	4,330
700 mm (28") Triple Grouser Track Shoes with Additional Steps	2020	4,440
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	960
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") Track Shoes	500	1,100
Counterweight:		
2470 kg (5,445 lb) Counterweight	2470	5,450
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	6,560
Boom (including lines, pins, stick cylinder):		
Reach Boom 4.65 m (15'3")	1030	2,270
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.8 (9'2")	650	1,400
Thumb Ready Stick R2.8 (9'2")	720	1,580
Reach Stick R3.0 (9'10")	650	1,440
Buckets (without linkage,with tips and side cutters):		
0.53 m^3 (0.69 yd^3) GD Bucket	440	970
0.53 m^3 (0.69 yd^3) Severe Duty (SD) Bucket	500	1,100
0.65 m^3 (0.85 yd^3) GD Bucket	470	1,030
0.65 m^3 (0.85 yd^3) SD Bucket	540	1,200
0.76 m^3 (0.99 yd^3) GD Bucket	510	1,120
Two Bucket Pins	20	50
Quick Coupler:		
Pin Grabber Quick Coupler	210	460

Dimensions

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



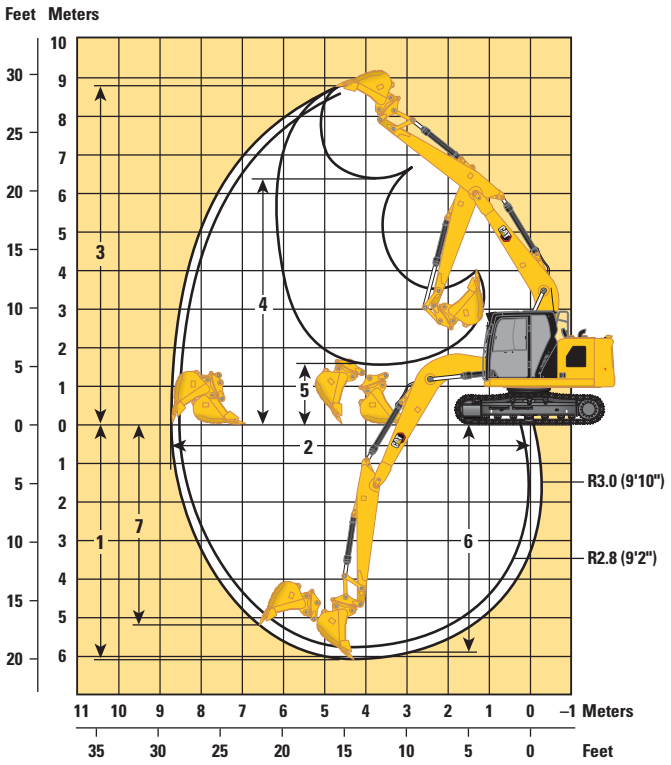
Boom Option	Reach Boom 4.65 m (15'3")			
Stick Options	**Thumb Ready/Reach Stick R2.8 (9'2")**		**Reach Stick R3.0 (9'10")**	
1 Machine Height:*				
Top of Cab Height	2810 mm	9'3"	2810 mm	9'3"
Top of OPG Height	2960 mm	9'8"	2960 mm	9'8"
Handrail Height	2810 mm	9'3"	2810 mm	9'3"
With Boom/Stick/Bucket Installed (with stick cylinder lines)	3080 mm	10'1"	3200 mm	10'5"
With Boom/Stick Installed (with stick cylinder lines)	2930 mm	9'6"	3010 mm	9'9"
With Boom Installed (with stick cylinder lines)	2380 mm	7'9"	2380 mm	7'9"
2 Machine Length (without blade):				
With Boom/Stick/Bucket Installed (with stick cylinder lines)	7720 mm	25'3"	7690 mm	25'2"
With Boom/Stick Installed (with stick cylinder lines)	7750 mm	25'4"	7740 mm	25'4"
With Boom Installed (with stick cylinder lines)	6900 mm	22'7"	6900 mm	22'7"
Machine Length (with blade, blade rear):				
With Boom/Stick/Bucket Installed (with stick cylinder lines)	8000 mm	26'3"	7970 mm	26'1"
With Boom/Stick Installed (with stick cylinder lines)	8030 mm	26'3"	8020 mm	26'3"
With Boom Installed (with stick cylinder lines)	7180 mm	23'6"	7180 mm	23'6"
3 Upperframe Width	2480 mm	8'2"	2480 mm	8'2"
4 Tail Swing Radius	2190 mm	7'2"	2190 mm	7'2"
5 Counterweight Clearance	915 mm	3'0"	915 mm	3'0"
6 Ground Clearance	445 mm	1'6"	445 mm	1'6"
7 Length to Center of Rollers	3040 mm	10'0"	3040 mm	10'0"
8 Track Length	3750 mm	12'4"	3750 mm	12'4"
9 Track Gauge	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"
600 mm (24") Shoes	2590 mm	8'6"	2590 mm	8'6"
700 mm (28") Shoes (with steps)	2690 mm	8'10"	2690 mm	8'10"
Bucket Type	GD		GD	
Bucket Capacity	0.65 m^3	0.85 yd^3	0.53 m^3	0.69 yd^3
Bucket Tip Radius	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

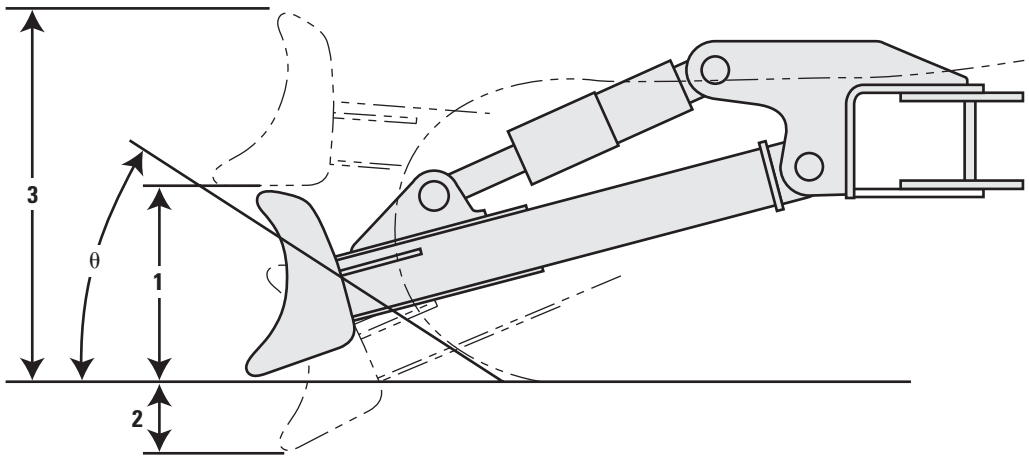
All dimensions are approximate and may vary depending on bucket selection.



Boom Option	Reach Boom 4.65 m (15'3")			
Stick Options	**Thumb Ready/Reach Stick**		**Reach Stick**	
	R2.8 (9'2")		**R3.0 (9'10")**	
1 Maximum Digging Depth	5840 mm	19'2"	6040 mm	19'10"
2 Maximum Reach at Ground Line	8470 mm	27'9"	8660 mm	28'5"
3 Maximum Cutting Height	8710 mm	28'7"	8830 mm	29'0"
4 Maximum Loading Height	6300 mm	20'8"	6420 mm	21'1"
5 Minimum Loading Height	1800 mm	5'11"	1600 mm	5'3"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5650 mm	18'6"	5860 mm	19'3"
7 Vertical Wall Digging Depth	5000 mm	16'5"	5190 mm	17'0"
Minimum Working Equipment Radius	2540 mm	8'4"	2570 mm	8'5"
Bucket Digging Force (ISO)	98.67 kN	22,180 lbf	98.67 kN	22,180 lbf
Stick Digging Force (ISO)	62.34 kN	14,010 lbf	59.29 kN	13,330 lbf
Bucket Type	GD		GD	
Bucket Capacity	0.65 m^3	0.85 yd^3	0.53 m^3	0.69 yd^3
Bucket Tip Radius	1240 mm	4'1"	1240 mm	4'1"

Blade Working Ranges

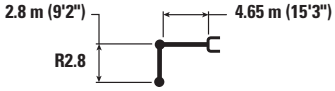
All dimensions are approximate and may vary depending on bucket selection.

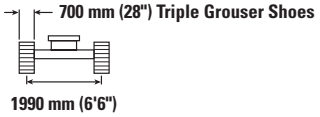


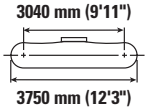
Blade Options	2500 mm (8'2")		2600 mm (8'6")		2700 mm (8'10")	
1 Blade Height	616 mm	2'0"	616 mm	2'0"	616 mm	2'0"
2 Maximum Lowering Depth from Ground	550 mm	1'10"	550 mm	1'10"	550 mm	1'10"
3 Maximum Raising Height above Ground	1018 mm	3'4"	1018 mm	3'4"	1018 mm	3'4"
θ Approach Angle	26°		26°		26°	

313 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket

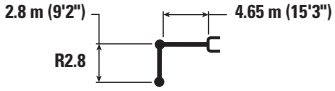


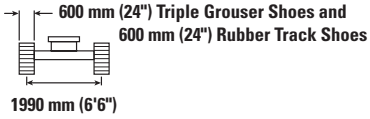


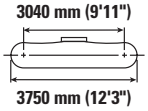


		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2550 **5,500**	*2250 ***4,900**	2100 **4,700**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	3850 **8,300**	*3800 **8,200**	2500 **5,350**	*2250 ***4,900**	1850 **4,050**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6500 **13,950**	*5450 ***11,750**	3600 **7,700**	3700 **7,900**	2350 **5,100**	*2350 ***5,150**	1750 **3,800**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6050 **13,050**	5500 **11,850**	3400 **7,250**	3600 **7,700**	2250 **4,850**	*2600 ***5,750**	1750 **3,850**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	6000 **12,850**	5400 **11,600**	3300 **7,050**	3550 **7,600**	2250 **4,750**	3050 **6,650**	1950 **4,250**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6050 **13,000**	5450 **11,650**	3300 **7,100**			3750 **8,350**	2400 **5,250**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	3950 ***10,050**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2550 **5,400**	*2250 ***4,900**	2100 **4,600**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	3800 **8,200**	3750 **8,100**	2450 **5,250**	*2250 ***4,900**	1800 **4,000**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6400 **13,750**	*5450 ***11,750**	3550 **7,600**	3650 **7,800**	2350 **5,000**	*2350 ***5,150**	1700 **3,750**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6000 **12,850**	5450 **11,700**	3350 **7,150**	3550 **7,600**	2250 **4,800**	*2600 ***5,750**	1750 **3,800**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	5900 **12,650**	5350 **11,450**	3250 **6,950**	3500 **7,450**	2200 **4,700**	3000 **6,550**	1900 **4,150**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6000 **12,800**	5350 **11,500**	3250 **7,000**			3700 **8,250**	2350 **5,200**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	3900 **9,950**	4.13 **12'1"**

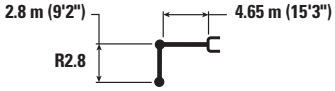
* **ISO 10567:2007**

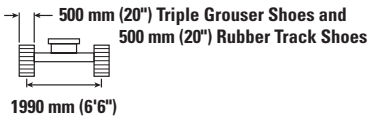
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

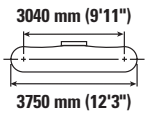
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket

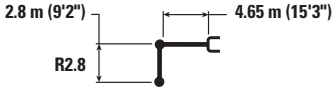


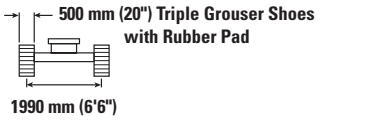


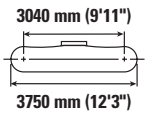


		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2500 **5,350**	*2250 ***4,900**	2050 **4,550**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	3750 **8,050**	3700 **7,950**	2400 **5,150**	*2250 ***4,900**	1800 **3,950**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6300 **13,500**	*5450 ***11,750**	3500 **7,450**	3550 **7,650**	2300 **4,900**	*2350 ***5,150**	1700 **3,700**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	5900 **12,600**	5350 **11,450**	3250 **7,000**	3450 **7,450**	2200 **4,700**	*2600 ***5,750**	1700 **3,700**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	5800 **12,400**	5250 **11,200**	3200 **6,800**	3400 **7,300**	2150 **4,600**	2900 **6,450**	1850 **4,100**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	5850 **12,600**	5250 **11,250**	3200 **6,850**			3650 **8,100**	2300 **5,100**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	3800 **9,750**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2550 **5,450**	*2250 ***4,900**	2100 **4,650**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	3850 **8,250**	*3800 **8,150**	2500 **5,300**	*2250 ***4,900**	1850 **4,050**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6450 **13,900**	*5450 ***11,750**	3550 **7,700**	3700 **7,900**	2350 **5,050**	*2350 ***5,150**	1750 **3,800**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6050 **13,000**	5500 **11,800**	3350 **7,250**	3550 **7,650**	2250 **4,850**	*2600 ***5,750**	1750 **3,850**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	5950 **12,800**	5400 **11,550**	3250 **7,050**	3500 **7,550**	2200 **4,750**	3000 **6,650**	1900 **4,200**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6050 **12,950**	5400 **11,600**	3300 **7,050**			3750 **8,350**	2350 **5,250**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	3900 **10,050**	4.13 **12'1"**

* **ISO 10567:2007**

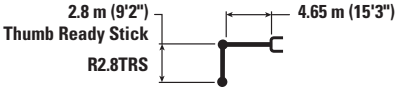
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

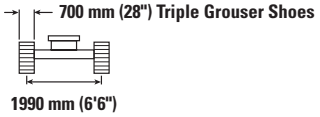
Lift capacity stays with ±5% for all available track shoes.

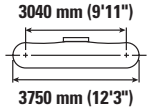
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

313 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket

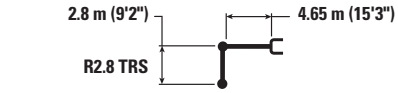


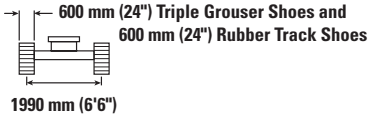


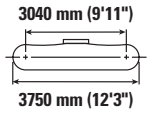


		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4160
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2550 **5,400**	*2200 ***4,850**	2100 **4,600**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3800 **8,200**	*3750 **8,100**	2450 **5,250**	*2200 ***4,850**	1800 **4,000**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6400 **13,800**	*5400 ***11,600**	3550 **7,600**	3650 **7,850**	2350 **5,000**	*2350 ***5,100**	1700 **3,750**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	6000 **12,850**	5450 **11,700**	3350 **7,150**	3550 **7,600**	2250 **4,750**	*2600 ***5,650**	1700 **3,750**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	5900 **12,650**	5350 **11,500**	3250 **6,950**	3500 **7,500**	2200 **4,650**	3000 **6,550**	1900 **4,150**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	6000 **12,850**	5400 **11,550**	3250 **7,000**			3700 **8,250**	2350 **5,150**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	3900 ***9,900**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2500 **5,350**	*2200 ***4,850**	2050 **4,550**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3750 **8,100**	3750 **8,000**	2400 **5,150**	*2200 ***4,850**	1800 **3,900**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6350 **13,600**	*5400 ***11,600**	3500 **7,500**	3600 **7,700**	2300 **4,900**	*2350 ***5,100**	1700 **3,650**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	5900 **12,700**	5400 **11,550**	3300 **7,050**	3500 **7,500**	2200 **4,700**	*2600 ***5,650**	1700 **3,700**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	5800 **12,500**	5300 **11,300**	3200 **6,850**	3450 **7,350**	2150 **4,600**	2950 **6,450**	1850 **4,050**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	5900 **12,650**	5300 **11,400**	3200 **6,900**			3650 **8,150**	2300 **5,100**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	3850 **9,850**	4.13 **12'1"**

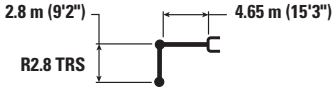
* **ISO 10567:2007**

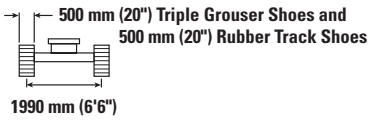
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

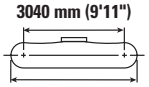
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket

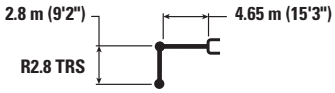


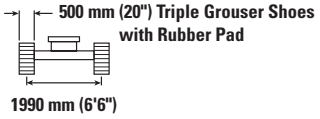


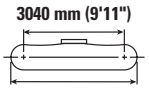


		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2450 **5,250**	*2200 ***4,850**	2000 **4,450**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3700 **7,950**	3650 **7,850**	2350 **5,100**	*2200 ***4,850**	1750 **3,850**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6200 **13,350**	*5400 ***11,600**	3450 **7,350**	3550 **7,550**	2250 **4,850**	*2350 ***5,100**	1650 **3,600**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	5800 **12,450**	5300 **11,350**	3200 **6,900**	3400 **7,350**	2150 **4,600**	*2600 ***5,650**	1650 **3,650**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	5700 **12,250**	5150 **11,100**	3100 **6,700**	3350 **7,200**	2100 **4,500**	2900 **6,350**	1800 **4,000**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	5800 **12,400**	5200 **11,150**	3150 **6,750**			3600 **8,000**	2250 **5,000**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	3750 **9,650**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2500 **5,400**	*2200 ***4,850**	2050 **4,600**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3800 **8,150**	*3750 **8,100**	2450 **5,200**	*2200 ***4,850**	1800 **3,950**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6400 **13,750**	*5400 ***11,600**	3500 **7,550**	3650 **7,800**	2300 **4,950**	*2350 ***5,100**	1700 **3,700**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	5950 **12,800**	5450 **11,700**	3300 **7,100**	3500 **7,550**	2200 **4,750**	*2600 ***5,650**	1700 **3,750**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	5900 **12,600**	5350 **11,450**	3200 **6,900**	3450 **7,450**	2150 **4,650**	2950 **6,550**	1900 **4,100**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	5950 **12,800**	5350 **11,500**	3250 **6,950**			3700 **8,250**	2300 **5,150**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	3850 ***9,900**	4.13 **12'1"**

* **ISO 10567:2007**

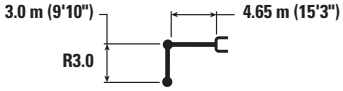
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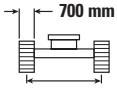
Lift capacity stays with ±5% for all available track shoes.

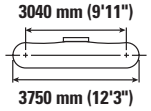
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313 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket

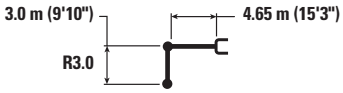


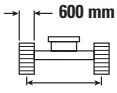


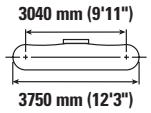


		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft/in
7.5 m **25.0 ft**	kg **lb**											*2600 ***5,850**	*2600 ***5,850**	4.49 **14'1"**
6.0 m **20.0 ft**	kg **lb**							*2250	*2250			*2200 ***4,850**	*2200 ***4,850**	6.03 **19'6"**
4.5 m **15.0 ft**	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: 2470 kg (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"**

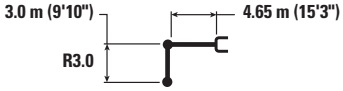
* **ISO 10567:2007**

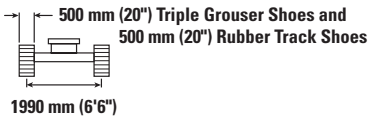
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

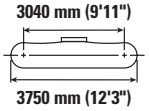
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket

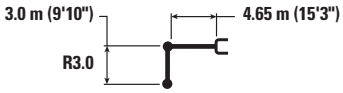


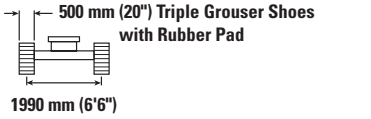


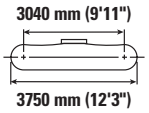


		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft/in
7.5 m **25.0 ft**	kg **lb**											*2600 ***5,850**	*2600 ***5,850**	4.49 **14'1"**
6.0 m **20.0 ft**	kg **lb**							*2250	*2250			*2200 ***4,850**	*2200 ***4,850**	6.03 **19'6"**
4.5 m **15.0 ft**	kg **lb**							*3350 ***7,300**	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	1650	*2150 ***4,750**	1600 **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	2150			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"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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 **5,500**			*2050 ***4,500**	2000 **4,450**	6.92 **22'6"**
3.0 m **10.0 ft**	kg **lb**			*5350 ***11,450**	*5350 ***11,450**	*4200 ***9,050**	3850 **8,350**	*3700 ***8,000**	2500 **5,350**			*2050 ***4,500**	1750 **3,900**	7.40 **24'2"**
1.5 m **5.0 ft**	kg **lb**			*8200 ***17,650**	6550 **14,050**	*5300 ***11,400**	3600 **7,750**	3700 **7,900**	2350 **5,100**	*2400	1700	*2150 ***4,750**	1650 **3,650**	7.55 **24'9"**
0 m **0 ft**	kg **lb**			*7250 ***16,750**	6100 **13,050**	5500 **11,850**	3400 **7,250**	3550 **7,650**	2250 **4,850**			*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**	5950 **12,750**	5400 **11,550**	3250 **7,000**	3500 **7,550**	2200 **4,750**			*2850 ***6,250**	1850 **4,000**	6.91 **22'7"**
–3.0 m **–10.0 ft**	kg **lb**	*7450 ***16,800**	*7450 ***16,800**	*8800 ***19,050**	6000 **12,900**	5400 **11,550**	3250 **7,050**	3550	2250			3500 **7,800**	2250 **4,950**	6.02 **19'7"**
–4.5 m **–15.0 ft**	kg **lb**			*6400 ***13,550**	6250 **13,400**							*4000 ***8,800**	3450 **7,850**	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.

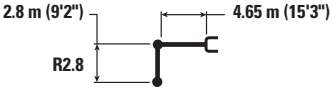
Lift capacity stays with ±5% for all available track shoes.

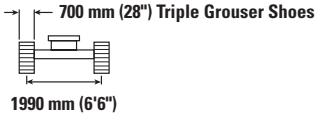
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

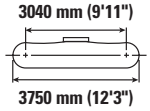
313 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



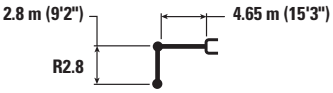




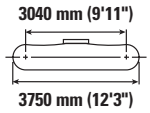
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2700 **5,750**	*2250 ***4,900**	2250 ***4,900**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	4050 **8,700**	*3800 **8,150**	2600 **5,600**	*2250 ***4,900**	1950 **4,300**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6800 **14,650**	*5450 ***11,750**	3750 **8,100**	3700 **7,900**	2500 **5,350**	*2350 ***5,150**	1850 **4,050**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6400 **13,750**	5500 **11,800**	3550 **7,650**	3550 **7,650**	2400 **5,150**	*2600 ***5,750**	1850 **4,100**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	6300 **13,550**	5400 **11,550**	3450 **7,450**	3500 **7,550**	2350 **5,050**	3000 **6,650**	2050 **4,450**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6400 **13,700**	5400 **11,600**	3500 **7,500**			3750 **8,300**	2500 **5,550**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	*4050 ***10,050**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2600 mm (8'6") 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
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2650 **5,700**	*2250 ***4,900**	2200 **4,850**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	4000 **8,550**	3750 **8,050**	2600 **5,550**	*2250 ***4,900**	1900 **4,250**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6700 **14,450**	*5450 ***11,750**	3700 **8,000**	3650 **7,800**	2450 **5,300**	*2350 ***5,150**	1800 **4,000**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6300 **13,550**	5400 **11,600**	3500 **7,550**	3500 **7,550**	2350 **5,050**	*2600 ***5,750**	1850 **4,000**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	6200 **13,350**	5300 **11,400**	3400 **7,350**	3450 **7,450**	2300 **4,950**	2950 **6,550**	2000 **4,400**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6300 **13,500**	5350 **11,450**	3450 **7,400**			3700 **8,200**	2450 **5,500**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	*4050 ***10,050**	4.13 **12'1"**

* **ISO 10567:2007**

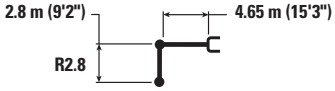
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

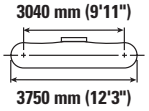
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



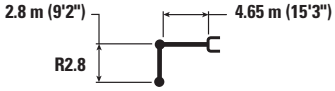


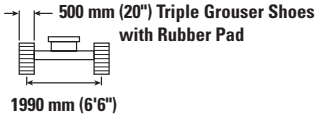


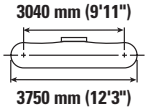
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2600 **5,600**	*2250 ***4,900**	2150 **4,750**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	3900 **8,400**	3700 **7,900**	2550 **5,400**	*2250 ***4,900**	1900 **4,150**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6600 **14,150**	*5450 ***11,750**	3650 **7,850**	3550 **7,650**	2400 **5,150**	*2350 ***5,150**	1750 **3,900**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6150 **13,250**	5300 **11,400**	3450 **7,400**	3450 **7,400**	2300 **4,950**	*2600 ***5,750**	1800 **3,900**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	6100 **13,050**	5200 **11,200**	3350 **7,200**	3400 **7,300**	2250 **4,850**	2900 **6,400**	1950 **4,300**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6150 **13,200**	5250 **11,250**	3350 **7,200**			3650 **8,050**	2400 **5,350**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	4000 ***10,050**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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
7.5 m **25.0 ft**	kg **lb**									*2900	*2900	4.16
6.0 m **20.0 ft**	kg **lb**									*2400 ***5,250**	*2400 ***5,250**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,650**	*3500 ***7,650**	*3500 ***7,550**	2700 **5,700**	*2250 ***4,900**	2200 **4,900**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5750 ***12,350**	*5750 ***12,350**	*4350 ***9,450**	4000 **8,600**	3800 **8,150**	2600 **5,550**	*2250 ***4,900**	1950 **4,250**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8550 ***18,400**	6750 **14,500**	*5450 ***11,750**	3750 **8,050**	3650 **7,850**	2500 **5,300**	*2350 ***5,150**	1850 **4,000**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6950 ***16,050**	6350 **13,600**	5500 **11,750**	3550 **7,600**	3550 **7,650**	2400 **5,100**	*2600 ***5,750**	1850 **4,050**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,100**	*4500 ***10,100**	*9450 ***21,000**	6250 **13,400**	5350 **11,500**	3450 **7,400**	3500 **7,500**	2350 **5,000**	3000 **6,600**	2000 **4,450**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*8000 ***18,000**	*8000 ***18,000**	*8600 ***18,500**	6350 **13,600**	5400 **11,550**	3450 **7,450**			3750 **8,300**	2500 **5,500**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5900	*5900					*4050 ***10,050**	*4050 ***10,050**	4.13 **12'1"**

* **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.

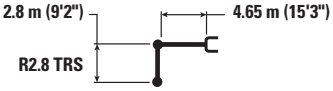
Lift capacity stays with ±5% for all available track shoes.

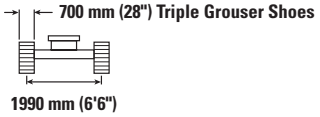
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

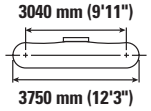
313 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



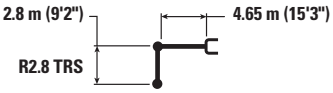




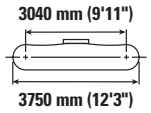
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2650 **5,700**	*2200 ***4,850**	2200 **4,850**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	4000 **8,600**	*3750 **8,050**	2600 **5,500**	*2200 ***4,850**	1900 **4,200**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6750 **14,500**	*5400 ***11,600**	3700 **8,000**	3650 **7,800**	2450 **5,250**	*2350 ***5,100**	1800 **3,950**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	6300 **13,550**	5450 **11,650**	3500 **7,550**	3500 **7,550**	2350 **5,050**	*2600 ***5,650**	1800 **4,000**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	6250 **13,350**	5350 **11,450**	3400 **7,350**	3450 **7,450**	2300 **4,950**	2950 **6,550**	2000 **4,400**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	6300 **13,550**	5350 **11,500**	3450 **7,400**			3700 **8,250**	2450 **5,450**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	*4000 ***9,900**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2600 mm (8'6") 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
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2650 **5,600**	*2200 ***4,850**	2150 **4,800**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3950 **8,500**	3700 **7,950**	2550 **5,450**	*2200 ***4,850**	1900 **4,150**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6650 **14,300**	*5400 ***11,600**	3650 **7,900**	3600 **7,700**	2400 **5,200**	*2350 ***5,100**	1800 **3,900**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	6250 **13,350**	5350 **11,500**	3450 **7,450**	3450 **7,450**	2300 **4,950**	*2600 ***5,650**	1800 **3,950**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	6150 **13,150**	5250 **11,250**	3350 **7,200**	3400 **7,350**	2250 **4,850**	2950 **6,450**	1950 **4,300**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	6200 **13,350**	5300 **11,350**	3400 **7,250**			3650 **8,100**	2450 **5,400**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	*4000 ***9,900**	4.13 **12'1"**

* **ISO 10567:2007**

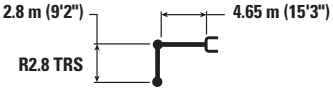
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

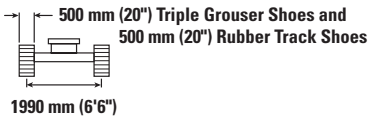
Lift capacity stays with ±5% for all available track shoes.

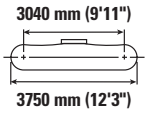
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Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



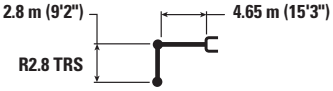




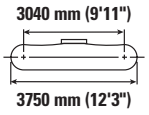
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												m ft/in
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2550 **5,500**	*2200 ***4,850**	2100 **4,700**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3850 **8,300**	3650 **7,800**	2500 **5,350**	*2200 ***4,850**	1850 **4,050**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6500 **14,000**	*5400 ***11,600**	3600 **7,750**	3500 **7,550**	2350 **5,100**	*2350 ***5,100**	1750 **3,800**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	6100 **13,050**	5250 **11,300**	3400 **7,250**	3400 **7,300**	2250 **4,850**	2600 **5,650**	1750 **3,850**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	6000 **12,900**	5150 **11,050**	3300 **7,050**	3350 **7,200**	2200 **4,750**	2850 **6,300**	1900 **4,200**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	6100 **13,050**	5200 **11,100**	3300 **7,100**			3600 **7,950**	2350 **5,250**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	3950 ***9,900**	4.13 **12'1"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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
7.5 m **25.0 ft**	kg **lb**									*2850	*2850	4.16
6.0 m **20.0 ft**	kg **lb**									*2350 ***5,200**	*2350 ***5,200**	5.79 **18'8"**
4.5 m **15.0 ft**	kg **lb**					*3500 ***7,550**	*3500 ***7,550**	*3450 ***7,500**	2650 **5,650**	*2200 ***4,850**	2150 **4,800**	6.71 **21'10"**
3.0 m **10.0 ft**	kg **lb**			*5700 ***12,200**	*5700 ***12,200**	*4300 ***9,350**	3950 **8,550**	*3750 **8,050**	2550 **5,450**	*2200 ***4,850**	1900 **4,150**	7.21 **23'7"**
1.5 m **5.0 ft**	kg **lb**			*8500 ***18,250**	6700 **14,350**	*5400 ***11,600**	3700 **7,950**	3650 **7,800**	2450 **5,200**	*2350 ***5,100**	1800 **3,900**	7.36 **24'1"**
0 m **0 ft**	kg **lb**			*6900 ***16,000**	6250 **13,450**	5400 **11,650**	3500 **7,450**	3500 **7,550**	2350 **5,000**	*2600 ***5,650**	1800 **3,950**	7.20 **23'7"**
–1.5 m **–5.0 ft**	kg **lb**	*4500 ***10,050**	*4500 ***10,050**	*9400 ***20,850**	6200 **13,250**	5300 **11,400**	3400 **7,250**	3450 **7,450**	2300 **4,900**	2950 **6,500**	2000 **4,350**	6.71 **21'11"**
–3.0 m **–10.0 ft**	kg **lb**	*7950 ***17,950**	*7950 ***17,950**	*8500 ***18,350**	6250 **13,400**	5350 **11,450**	3400 **7,300**			3700 **8,200**	2450 **5,400**	5.78 **18'9"**
–4.5 m **–15.0 ft**	kg **lb**			*5850	*5850					*4000 ***9,900**	*4000 ***9,900**	4.13 **12'1"**

* **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.

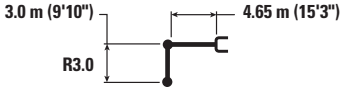
Lift capacity stays with ±5% for all available track shoes.

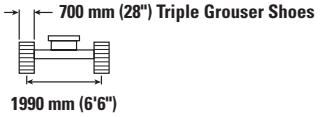
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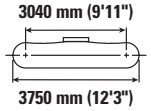
313 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2700 mm (8'10") Blade



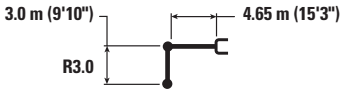




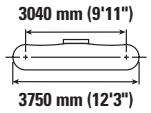
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft/in
7.5 m **25.0 ft**	kg **lb**											*2600 ***5,850**	*2600 ***5,850**	4.49 **14'1"**
6.0 m **20.0 ft**	kg **lb**							*2250	*2250			*2200 ***4,850**	*2200 ***4,850**	6.03 **19'6"**
4.5 m **15.0 ft**	kg **lb**							*3350 ***7,300**	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"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2600 mm (8'6") 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**	2700 **5,750**			*2050 ***4,500**	*2050 ***4,500**	6.92 **22'6"**
3.0 m **10.0 ft**	kg **lb**			*5350 ***11450**	*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"**

* **ISO 10567:2007**

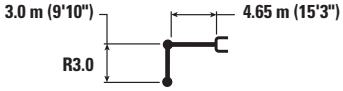
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

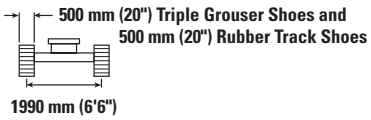
Lift capacity stays with ±5% for all available track shoes.

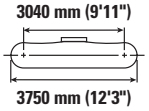
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities – Counterweight: 2470 kg (5,445 lb) – without Bucket – Blade Up

2500 mm (8'2") Blade



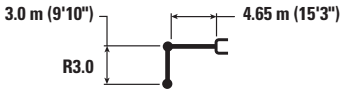


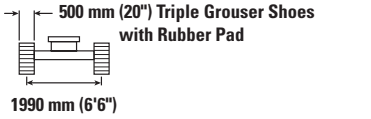


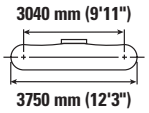
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft/in
7.5 m **25.0 ft**	kg **lb**											*2600 ***5,850**	*2600 ***5,850**	4.49 **14'1"**
6.0 m **20.0 ft**	kg **lb**							*2250	*2250			*2200 ***4,850**	*2200 ***4,850**	6.03 **19'6"**
4.5 m **15.0 ft**	kg **lb**							*3350 ***7,300**	2650 **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**	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**	kg **lb**			*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**	kg **lb**			*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**	kg **lb**	*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**	kg **lb**	*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**	kg **lb**			*6400 ***13,550**	6350 ***13,550**							*4000 ***8,800**	3550 **8,050**	4.48 **14'4"**

Reach Boom Lift Capacities – Counterweight: 2470 kg (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		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**	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**	4050 **8,700**	*3700 ***8,000**	2600 **5,600**			*2050 ***4,500**	1850 **4,100**	7.40 **24'2"**
1.5 m **5.0 ft**	kg **lb**			*8200 ***17,650**	6850 **14,700**	*5300 ***11,400**	3750 **8,100**	3700 **7,900**	2500 **5,350**	*2400	1800	*2150 ***4,750**	1750 **3,850**	7.55 **24'9"**
0 m **0 ft**	kg **lb**			*7250 ***16,750**	6350 **13,700**	5500 **11,800**	3550 **7,600**	3550 **7,650**	2400 **5,100**			*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**	6250 **13,400**	5350 **11,500**	3450 **7,400**	3500 **7,500**	2350 **5,000**			*2850 ***6,250**	1950 **4,250**	6.91 **22'7"**
–3.0 m **–10.0 ft**	kg **lb**	*7450 ***16,800**	*7450 ***16,800**	*8800 ***19,050**	6300 **13,500**	5350 **11,550**	3450 **7,400**	3550	2350			3500 **7,800**	2350 **5,200**	6.02 **19'7"**
–4.5 m **–15.0 ft**	kg **lb**			*6400 ***13,550**	*6400 ***13,550**							*4000 ***8,800**	3650 **8,250**	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

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	2470 kg (5,445 lb) Counterweight Reach Boom		
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.8 (9'2")	R2.8 (9'2") TRS	R3.0 (9'10")
Pin-On (No Quick Coupler)											
General Duty	312	450	18	0.20	0.27	268	591	100	●	●	●
	312	600	24	0.31	0.40	320	706	100	●	●	●
	312	750	30	0.41	0.54	369	814	100	●	●	●
	312	900	36	0.53	0.69	420	927	100	●	●	●
	312	1050	42	0.65	0.84	468	1,031	100	◉	◉	◉
General Duty – Wide Tip	312	450	18	0.27	0.36	317	700	100	●	●	●
	312	600	24	0.41	0.53	372	821	100	●	●	●
	312	750	30	0.55	0.72	425	936	101	●	●	●
	312	900	36	0.71	0.92	478	1,053	100	◉	◉	⊖
	312	1050	42	0.86	1.13	530	1,168	100	○	○	○
Severe Duty	312	600	24	0.31	0.40	372	820	90	●	●	●
	312	750	30	0.41	0.54	433	954	90	●	●	●
	312	900	36	0.53	0.69	495	1,090	90	●	●	●
	312	1050	42	0.65	0.84	540	1,190	90	●	●	◉
Clean Up	312	1500	60	1.02	1.33	630	1,389	100	◇	◇	◇
Ditch Cleaning	312	1200	48	0.57	0.74	388	855	100	●	●	●
	312	1500	60	0.74	0.97	455	1,003	100	◉	⊖	⊖
Ditch Cleaning Tilt	312	1200	48	0.48	0.63	563	1,240	100	●	●	●
	312	1500	60	0.57	0.75	646	1,424	100	◉	◉	◉
Maximum load pin-on (payload + bucket)								kg	1750	1720	1680
								lb	3,861	3,791	3,696

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

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)

Bucket Specifications and Compatibility *(continued)*

		Width		Capacity		Weight		Fill	2470 kg (5,445 lb) Counterweight Reach Boom		
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.8 (9'2")	R2.8 (9'2") TRS	R3.0 (9'10")
With Cat Pin Grabber Coupler											
General Duty	312	450	18	0.20	0.27	268	591	100	●	●	●
	312	600	24	0.31	0.40	320	706	100	●	●	●
	312	750	30	0.41	0.54	369	814	100	●	●	●
	312	900	36	0.53	0.69	420	927	100	●	●	◉
	312	1050	42	0.65	0.84	468	1,031	100	⊖	⊖	⊖
	312	1200	48	0.76	1.00	508	1,119	100	○	○	○
General Duty – Wide Tip	312	450	18	0.27	0.36	317	700	100	●	●	●
	312	600	24	0.41	0.53	372	821	100	●	●	●
	312	750	30	0.55	0.72	425	936	101	●	◉	◉
	312	900	36	0.71	0.92	478	1,053	100	⊖	⊖	○
	312	1050	42	0.86	1.13	530	1,168	100	○	○	◇
	312	1200	48	1.02	1.33	582	1,283	100	◇	◇	◇
Severe Duty	312	600	24	0.31	0.40	372	820	90	●	●	●
	312	750	30	0.41	0.54	433	954	90	●	●	●
	312	900	36	0.53	0.69	495	1,090	90	●	●	●
	312	1050	42	0.65	0.84	540	1,190	90	◉	⊖	⊖
Clean Up	312	1500	60	1.02	1.33	630	1,389	100	◇	◇	X
Ditch Cleaning	312	1200	48	0.57	0.74	388	855	100	●	◉	◉
	312	1500	60	0.74	0.97	455	1,003	100	⊖	⊖	○
Ditch Cleaning Tilt	312	1200	48	0.48	0.63	563	1,240	100	●	◉	◉
	312	1500	60	0.57	0.75	646	1,424	100	⊖	⊖	⊖
Maximum load with coupler (payload + bucket)								kg	1551	1520	1477
								lb	3,420	3,350	3,256
Pin-On, TRS12 S60											
Heavy Duty – Trenching	312	540	21	0.33	0.43	321	707	100	●	●	●
	312	540	21	0.35	0.43	283	624	100	●	●	●
Heavy Duty – Grading	312	1500	59	0.52	0.65	513	1,131	100	○	○	○
	312	1500	59	0.65	0.85	545	1,203	100	◇	◇	◇
	312	1500	59	0.65	0.85	514	1,133	100	◇	◇	◇
	312	1600	63	0.75	0.98	576	1,270	100	◇	X	X
Maximum load with pin-on (payload + bucket)								kg	1238	1206	1163
								lb	2,730	2,660	2,565
With HCS60, TRS12 HCS60											
Heavy Duty – Trenching	312	540	21	0.33	0.43	321	707	100	●	●	◉
	312	540	21	0.35	0.43	283	624	100	●	●	◉
Heavy Duty – Grading	312	1500	59	0.52	0.65	513	1,131	100	◇	◇	◇
	312	1500	59	0.65	0.85	545	1,203	100	X	X	X
	312	1500	59	0.65	0.85	514	1,133	100	X	X	X
	312	1600	63	0.75	0.98	576	1,270	100	X	X	X
Maximum load with coupler (payload + bucket)								kg	1036	1004	961
								lb	2,284	2,214	2,120

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- 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

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

Undercarriage			**Long**	
Counterweight			**2.47 mt (5,445 lb)**	
Boom Type			**Reach**	
Stick Length		**2.80 m (9'2")**	**2.80 m TR (9'2")**	**3.00 m (9'10")**
Hydraulic Hammers	H110 GC	✓	✓	✓
	H110 GC S	✓	✓	✓
	H110 S	✓	✓	✓
	H115 GC	✓	✓	✓
	H115 GC S	✓	✓	✓
	H115 S	✓	✓	✓
Demolition and Sorting Grapples	G314	✓*	✓*	✓*
Mobile Scrap and Demolition Shears	S3015 Flat Top	✓*	✓*	✓*
Mulchers	HM2615	✓	✓	✓
	HM3013	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓
Rotary Cutters	RC10	✓	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage			**Long**	
Counterweight			**2.47 mt (5,445 lb)**	
Boom Type			**Reach**	
Stick Length		**2.80 m (9'2")**	**2.80 m TR (9'2")**	**3.00 m (9'10")**
Hydraulic Hammers	H110 GC	✓	✓	✓
	H110 GC S	✓	✓	✓
	H110 S	✓	✓	✓
	H115 GC	✓*	✓*	
	H115 GC S	✓	✓*	✓*
	H115 S	✓	✓	✓
Mulchers	HM2615	✓	✓	✓
	HM3013	✓	✓	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓
Rotary Cutters	RC10	✓	✓	✓

S60 DEDICATED COUPLER ATTACHMENTS

Undercarriage			**Long**	
Counterweight			**2.47 mt (5,445 lb)**	
Boom Type			**Reach**	
Stick Length		**2.80 m (9'2")**	**2.80 m TR (9'2")**	**3.00 m (9'10")**
Hydraulic Hammers	H110 GC	✓	✓	✓
	H110 GC S	✓	✓	✓
	H110 S	✓	✓	✓
	H115 GC	✓	✓*	✓*
	H115 GC S	✓	✓*	✓*
	H115 S	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓
Rotary Cutters	RC10	✓	✓	✓

HCS60 DEDICATED COUPLER ATTACHMENTS

Undercarriage			**Long**	
Counterweight			**2.47 mt (5,445 lb)**	
Boom Type			**Reach**	
Stick Length		**2.80 m (9'2")**	**2.80 m TR (9'2")**	**3.00 m (9'10")**
Hydraulic Hammers	H110 S	✓	✓	✓
	H115 S	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓
Rotary Cutters	RC10	✓	✓	✓

(continued on next page)

Attachments Offering Guide *(continued)*

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

✓ Match | * Working range front only | No Match

HCS65 DEDICATED COUPLER ATTACHMENTS

Undercarriage			**Long**	
Counterweight			**2.47 mt (5,445 lb)**	
Boom Type			**Reach**	
Stick Length		**2.80 m (9'2")**	**2.80 m TR (9'2")**	**3.00 m (9'10")**
Hydraulic Hammers	H110 S	✓	✓	✓
	H115 S	✓	✓	✓
Compactors (Vibratory Plate)	CVP75	✓	✓	✓
Rotary Cutters	RC10	✓	✓	✓

TRS12 (PIN-ON TOP / S60 BOTTOM) ATTACHMENTS

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

Undercarriage			**Long**	
Counterweight			**2.47 mt (5,445 lb)**	
Boom Type			**Reach**	
Stick Length		**2.80 (9'2")**	**2.80 m TR (9'2")**	**3.00 m (9'10")**
Hydraulic Hammers	H110 GC S	✓*		
	H110 S	✓*	✓*	✓*

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

The TRS10 has been replaced by TRS12. For legacy machines or work tool attachments, please consult the appropriate compatibility guide to ensure accurate matching and performance.

BOOM-MOUNT ATTACHMENTS

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

Thumb Specifications

✓ Match ☐ No Match

		Width		Pro Plus		Pro		Stiff Link		Utility	
	Tooth Quantity	mm	in	Pin-on	Cat Pin Grabber	Pin-on	Cat Pin Grabber	Pin-on	Cat Pin Grabber	Pin-on	Cat Pin Grabber
Bucket Type											
General Duty	3	450	18					✓	✓	✓	✓
	4	600	24		✓		✓	✓	✓	✓	✓
	5	750	30	✓	✓	✓	✓	✓	✓	✓	✓
	6	900	36	✓	✓	✓	✓	✓	✓	✓	✓
	7	1050	42	✓	✓	✓	✓	✓	✓	✓	✓
	7	1200	48	✓	✓	✓	✓	✓	✓	✓	✓
General Duty – Wide Tip	4	450	18					✓	✓	✓	✓
	5	600	24					✓	✓	✓	✓
	7	900	36					✓	✓	✓	✓
	8	1074	42					✓	✓	✓	✓
	9	1226	48					✓	✓	✓	✓
Severe Duty	3	600	24		✓		✓	✓	✓	✓	✓
	4	750	30	✓	✓	✓	✓	✓	✓	✓	✓
	5	900	36	✓	✓	✓	✓	✓	✓	✓	✓
	5	1050	42	✓	✓	✓	✓	✓	✓	✓	✓

Standard and Optional Equipment

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

	Standard	Optional
BOOMS, STICKS, AND LINKAGES		
4.65 m (15'3") Reach boom	✓	
2.8 m (9'2") Reach stick		✓
2.8 m (9'2") Thumb Ready stick		✓
3.0 m (9'10") Reach stick		✓
Bucket linkage, without lifting eye, Cat® Grade	✓	
CAB		
ROPS	✓	
Operator Protective Guards (OPG)		✓
High-resolution 254 mm (10") LCD touchscreen monitor	✓	
Auto bi-level air conditioner	✓	
Jog dial and shortcut keys for monitor control	✓	
Keyless push-to-start engine control	✓	
Height-adjustable console	✓	
Tilt-up left-side console	✓	
Heated air-suspension seat	✓	
51 mm (2") seat belt	✓	
Monitor integrated Bluetooth® radio with USB/Auxiliary ports	✓	
12V DC outlets	✓	
Document storage	✓	
Overhead storage and rear storage with nets	✓	
Beverage holder	✓	
Cup holder	✓	
Openable two-piece front window	✓	
Rear window emergency exit	✓	
Radial wiper with washer	✓	
Openable polycarbonate skylight hatch	✓	
LED dome light	✓	
Floor welcome light	✓	
Roof sunscreen	✓	
Roller front sunscreen	✓	
Roller rear sunscreen		✓
Washable floor mat	✓	
Beacon ready	✓	
Cat Stick Steer		✓
Auxiliary relay		✓
Operator protective guards (OPG)		✓

[1]Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

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

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

	Standard	Optional
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[1]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– Work tool recognition and tracking (PL161)	✓	
– Operator Coaching		✓[3]
Cat Grade:		
– Cat Grade with 2D	✓	
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓
– Laser catcher		✓
– Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓	
– Cat Grade 3D Ready		✓
– Cat Grade Connectivity		✓[2]
Cat Assist:		
– Grade Assist	✓	
– Boom Assist	✓	
– Bucket Assist	✓	
– Swing Assist	✓	
– Lift Assist	✓	
Cat Payload:		
– On-the-go weighing	✓	
– Semiautomatic calibration	✓	
– Payload/cycle information	✓	
Cat Advanced Payload:		
– Daily totals		✓
– Custom lists		✓
– Smart weight target		✓
– E-ticket Integration		✓[2]
Other:		
Cat Tiltrotator (TRS) integration		✓
ELECTRICAL SYSTEM		
Maintenance free battery	✓	
Centralized electrical disconnect switch	✓	
LED chassis light, left-side/right-side boom light, cab lights	✓	
Programmable time-delay LED working lights	✓	
360° lighting		✓

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
ENGINE		
Cat C3.6 single turbo diesel engine	✓	
Three selectable modes: Power, Smart, Eco	✓	
One-touch low idle with automatic engine speed control	✓	
Auto engine shutdown	✓	
Up to 52°C (125°F) high-ambient cooling capacity without derate	✓	
Down to –25°C (–13°F) cold start capability		✓
Down to –18°C (0°F) cold start capability		✓
Electric fuel priming pump	✓	
Variable speed fan	✓	
Single fuel filtration system	✓	
Sealed double element air filter with integrated pre-cleaner	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Automatic hydraulic oil warm up	✓	
Automatic two-speed travel	✓	
Electric main control valve	✓	
Boom and stick drift reduction valve	✓	
Swing drive, with fine swing control function	✓	
Boom and stick lowering check valves		✓
Medium-pressure line		✓
High-pressure line		✓
Quick coupler line		✓
SAFETY AND SECURITY		
Cat Detect – People detection		✓
Rear and right-side-view cameras	✓	
360° visibility		✓
Ground-level engine shutoff switch	✓	
Lockable disconnect switch	✓	
Service platform with anti-skid plate and countersunk bolts	✓	
Signaling/warning horn	✓	
Swing alarm		✓
Hydraulic lockout lever	✓	
Inspection lighting		✓
Cat Command remote control		✓
2D E-Fence: – E-ceiling – E-floor – E-swing – E-wall – E-cab avoidance	✓	
Auto hammer stop	✓	

	Standard	Optional
SERVICE AND MAINTENANCE		
Side entry to service platform	✓	
Grouped engine oil and fuel filters	✓	
Ground-level engine oil dipstick	✓	
S·O·S^{SM} ports	✓	
Integrated vehicle health management system	✓	
UNDERCARRIAGE AND STRUCTURES		
Grease-lubricated track link	✓	
Center track guiding guards	✓	
Bottom guards	✓	
HD travel motor guards	✓	
Swivel guard	✓	
500 mm (20") triple grouser track shoes		✓
500 mm (20") triple grouser track shoes with rubber pad		✓
500 mm (20") rubber track shoes		✓
600 mm (24") triple grouser track shoes		✓
600 mm (24") rubber track shoes		✓
700 mm (28") triple grouser track shoes		✓
2500 mm (8'2") blade		✓
2600 mm (8'6") blade		✓
2700 mm (8'10") blade		✓
2470 kg (5,445 lb) counterweight	✓	
Tie-down points on base frame	✓	

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper
- 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

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

SAFETY AND SECURITY

- 76 mm (3") retractable seat belt

313 Environmental Declaration

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

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

Engine

- The Cat® C3.6 engine meets U.S. EPA Tier 4 Final, 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) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)***
  - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

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

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

Air Conditioning System

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

– If equipped with R134a (Global Warming Potential = 1430), the system contains 0.9 kg (2.0 lb) of refrigerant which has a CO_2 equivalent of 1.287 metric tonnes (1.418 tons).

– If equipped with R1234yf (Global Warming Potential = 0.5), the system contains 0.7 kg (1.5 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

Paint

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

Sound Performance

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

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

Oils and Fluids

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

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Advanced hydraulic system balances power and efficiency
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode supports reduced fuel consumption for light applications
  - One-touch low idle with automatic engine speed control
  - Increase operating efficiency with standard Cat technologies that help lower operator fatigue and operating costs
  - Extended service intervals help decrease maintenance costs
  - 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 16714:2008 (Earthmoving machinery – Recyclability and recoverability –Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused or both.

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

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

Recyclability – 95%

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

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

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