



# 320

## Hydraulic Excavator

# Technical Specifications

### Engine

Engine Model	Cat® C4.4 ACERT™
Net Power (ISO 9249)	121 kW/162 hp/165 ps
Net Power (SAE J1349)	121 kW/162 hp/165 ps
Gross Power (ISO 14396/SAE J1995)	122 kW/164 hp/166 ps
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L

- The 320 meets EU Stage IV emission standards.
- Recommended for use up to 4500 m altitude with engine power derate above 3000 m.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- Rating at 1,800 rpm.

### Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.43 metric tonnes.

### Engine rpm

Operation	1,650 rpm
Travel	1,800 rpm

### Swing Mechanism

Swing Speed	11.3 rpm
Maximum Swing Torque	74 kN·m

### Weights

Operating Weight	21 600 kg
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- Reach boom, R2.9 stick, GD 1.19 m<sup>3</sup> bucket and 600 mm triple grouser shoes, 4.2 mt counterweight.

### Track

Standard Track Shoes Width	600 mm
Optional Track Shoes Width	700 mm 790 mm 900 mm
Number of Shoes (each side)	49
Number of Track Rollers (each side)	8
Number of Carrier Rollers (each side)	2

### Drive

Maximum Gradeability	35°/70%
Maximum Travel Speed	5.7 km/h
Maximum Drawbar Pull – Long Undercarriage	205 kN

### Hydraulic System

Main System – Maximum Flow (Implement)	429 L/min (214.5 × 2 pumps)
Swing System – Maximum Flow	No swing pump
Maximum Pressure – Equipment – Normal	35 000 kPa
Maximum Pressure – Equipment – Lift Mode	38 000 kPa
Maximum Pressure – Travel	34 300 kPa
Maximum Pressure – Swing	26 800 kPa
Boom Cylinder – Bore	120 mm
Boom Cylinder – Stroke	1260 mm
Stick Cylinder – Bore	140 mm
Stick Cylinder – Stroke	1504 mm
Bucket Cylinder – Bore	120 mm
Bucket Cylinder – Stroke	1104 mm

# 320 Hydraulic Excavator Specifications

## Service Refill Capacities

Fuel Tank Capacity	345 L
Cooling System	35 L
Engine Oil	15 L
Swing Drive (each)	7 L
Final Drive (each)	6 L
Hydraulic System (including tank)	240 L
Hydraulic Tank	128 L
DEF Tank	40 L

## Standards

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

## Sound Performance

ISO 6395 (external)	99 dB(A)
ISO 6396 (inside cab)	70 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

## Operating Weights and Ground Pressures

	600 mm		700 mm		790 mm		900 mm	
	Triple Grouser Shoes		Triple Grouser Shoes		Triple Grouser Shoes		Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg	kPa	kg	kPa	kg	kPa	kg	kPa
<b>4.2 mt Counterweight + Long Undercarriage Base Machine</b>								
Reach Boom + R2.9 Stick + 1.19 m <sup>3</sup> GD Bucket	21 600	44.9	22 000	39.2	22 300	35.2	23 100	32.0

All operating weights include a 90% fuel tank with 75 kg operator.

# 320 Hydraulic Excavator Specifications

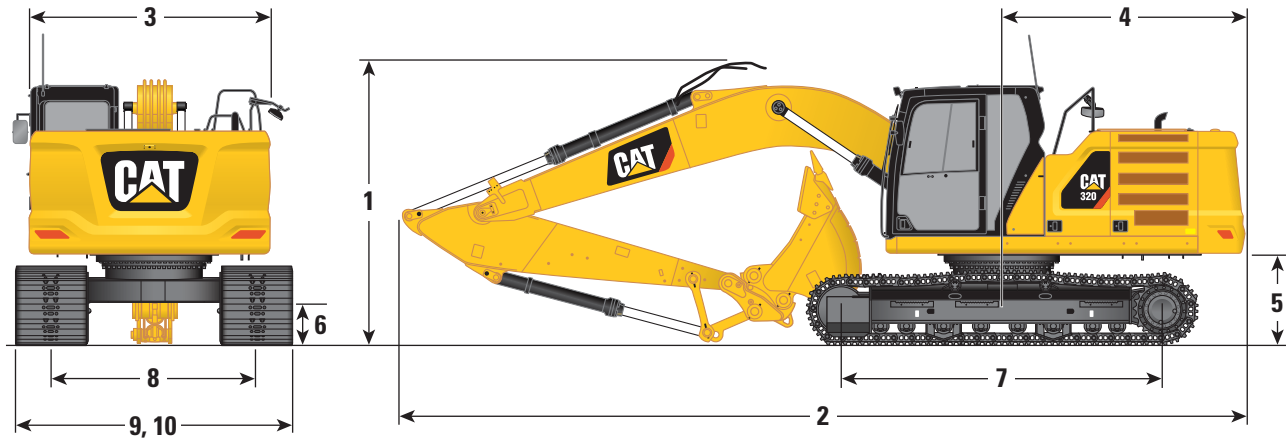
## Major Component Weights

	kg
Base Machine (with 4.2 mt counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, with boom cylinder – does not include 90% fuel and 75 kg operator)	14 800
Track Shoes:	
600 mm Width, 10 mm Thick Triple Grouser Track Shoes	2690
700 mm Width, 10 mm Thick Triple Grouser Track Shoes	3050
790 mm Width, 10 mm Thick Triple Grouser Track Shoes with Step Extension for ISO 2867:2011	3370
900 mm Width, 12.5 mm Thick Triple Grouser HD Track Shoes with Step Extension for ISO 2867:2011	4180
Two Boom Cylinders	340
Weight of 90% Fuel Tank and 75 kg Operator	310
Counterweight:	
4.2 mt Counterweight	4200
4.7 mt Counterweight	4700
Swing Frame:	
Semi-HD Swing Frame	1910
Standard and Long Undercarriage:	
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Long Undercarriage	4390
Booms (including lines, pins, stick cylinder):	
Reach Boom (5.7 m)	1710
Super Long Reach Boom (8.85 m)	2170
VA Boom (2.8 m Stub + 3.3 m Fore)	3050
Sticks (including lines, pins, bucket cylinder, bucket linkage):	
Reach Stick (R2.9B1)	1300
Reach Stick (R2.5B1)	990
Super Long Reach Stick (6.28A)	1340
Buckets (without linkage):	
1.19 m <sup>3</sup> GD	800
0.57 m <sup>3</sup> Ditch Cleaning	390
0.53 m <sup>3</sup> GD	400
Quick Couplers:	
CW Dedicated QC	230
Pin Grabber QC	390

# 320 Hydraulic Excavator Specifications

## Dimensions

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

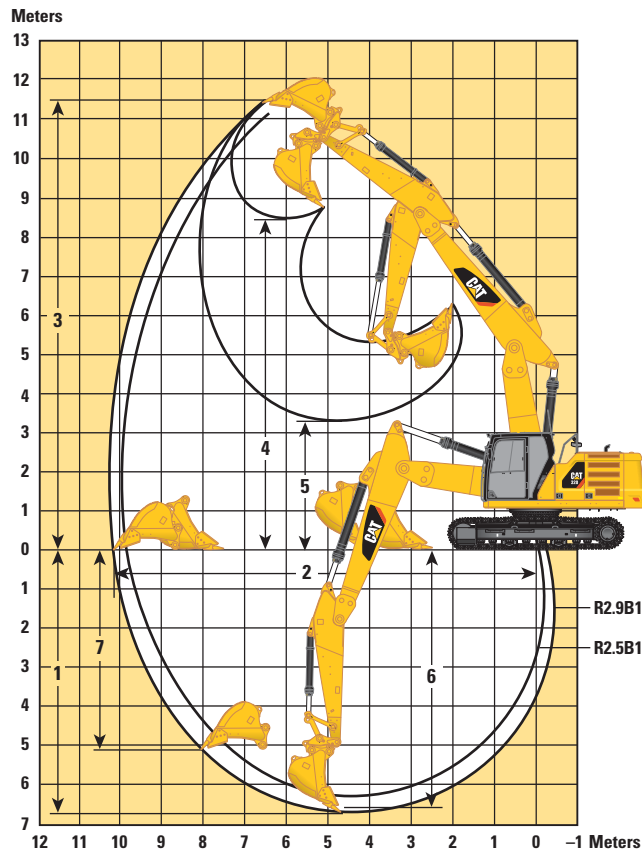
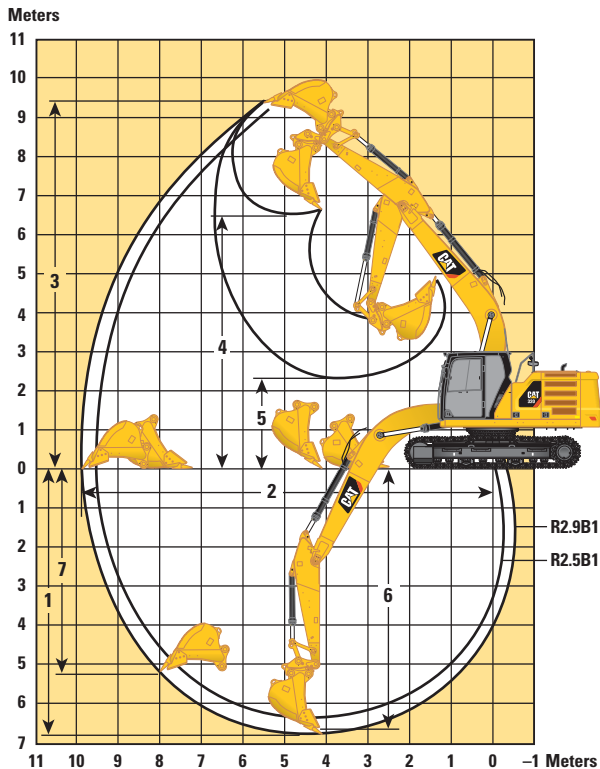


Boom Options	Reach Boom 5.7 m		SLR Boom 8.85 m	VA Boom 2.8 m Stub/3.3 m Fore	
Stick Options	Reach Sticks		SLR Stick	Reach Sticks	
	R2.9B1	R2.5B1	6.28A	R2.9B1	R2.5B1
<b>1</b> Machine Height:					
Top of Cab Height	2960 mm	2960 mm	2960 mm	2960 mm	2960 mm
Top of FOGS Height	3104 mm	3104 mm	3104 mm	3104 mm	3104 mm
Handrails Height	2954 mm	2954 mm	2954 mm	2954 mm	2954 mm
With Boom/Stick/Bucket Installed	3162 mm	3162 mm	3185 mm	3002 mm	2907 mm
With Boom/Stick Installed	2913 mm	2913 mm	3069 mm	2786 mm	2704 mm
With Boom Installed	2475 mm	2475 mm	2654 mm	2309 mm	2309 mm
<b>2</b> Machine Length:					
With Boom/Stick/Bucket Installed	9531 mm	9531 mm	12 745 mm	9770 mm	9804 mm
With Boom/Stick Installed	9499 mm	9499 mm	12 755 mm	9777 mm	9776 mm
With Boom Installed	8454 mm	8454 mm	8920 mm	8713 mm	8713 mm
<b>3</b> Upperframe Width without Walkways	2780 mm	2780 mm	2780 mm	2780 mm	2780 mm
<b>4</b> Tail Swing Radius	2833 mm	2833 mm	2833 mm	2833 mm	2833 mm
<b>5</b> Counterweight Clearance	1048 mm	1048 mm	1048 mm	1048 mm	1048 mm
<b>6</b> Ground Clearance	468 mm	468 mm	468 mm	468 mm	468 mm
<b>7</b> Track Length – Length to Center of Rollers	3650 mm	3650 mm	3650 mm	3650 mm	3650 mm
<b>8</b> Track Gauge – Extended	2380 mm	2380 mm	2380 mm	2380 mm	2380 mm
<b>9</b> Track Width:					
600 mm Shoes	2980 mm	2980 mm	2980 mm	2980 mm	2980 mm
700 mm Shoes	3080 mm	3080 mm	3080 mm	3080 mm	3080 mm
790 mm Shoes	3170 mm	3170 mm	3170 mm	3170 mm	3170 mm
900 mm Shoes	3280 mm	3280 mm	3280 mm	3280 mm	3280 mm
<b>10</b> Undercarriage Width (with steps/without steps):					
600 mm Shoes	2980 mm	2980 mm	2980 mm	2980 mm	2980 mm
700 mm Shoes	3080 mm	3080 mm	3080 mm	3080 mm	3080 mm
790 mm Shoes	3170 mm	3170 mm	3170 mm	3170 mm	3170 mm
900 mm Shoes	3280 mm	3280 mm	3280 mm	3280 mm	3280 mm
Bucket Type	GD	GD	DC	GD	GD
Bucket Capacity	1.19 m <sup>3</sup>	1.19 m <sup>3</sup>	0.57 m <sup>3</sup>	1.19 m <sup>3</sup>	1.19 m <sup>3</sup>
Bucket Tip Radius	1579 mm	1579 mm	1073 mm	1579 mm	1579 mm

# 320 Hydraulic Excavator Specifications

## Working Ranges

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



### Boom Options

### Reach Boom 5.7 m

### VA Boom 2.8 m Stub/3.3 m Fore

### Stick Options

### Reach Sticks

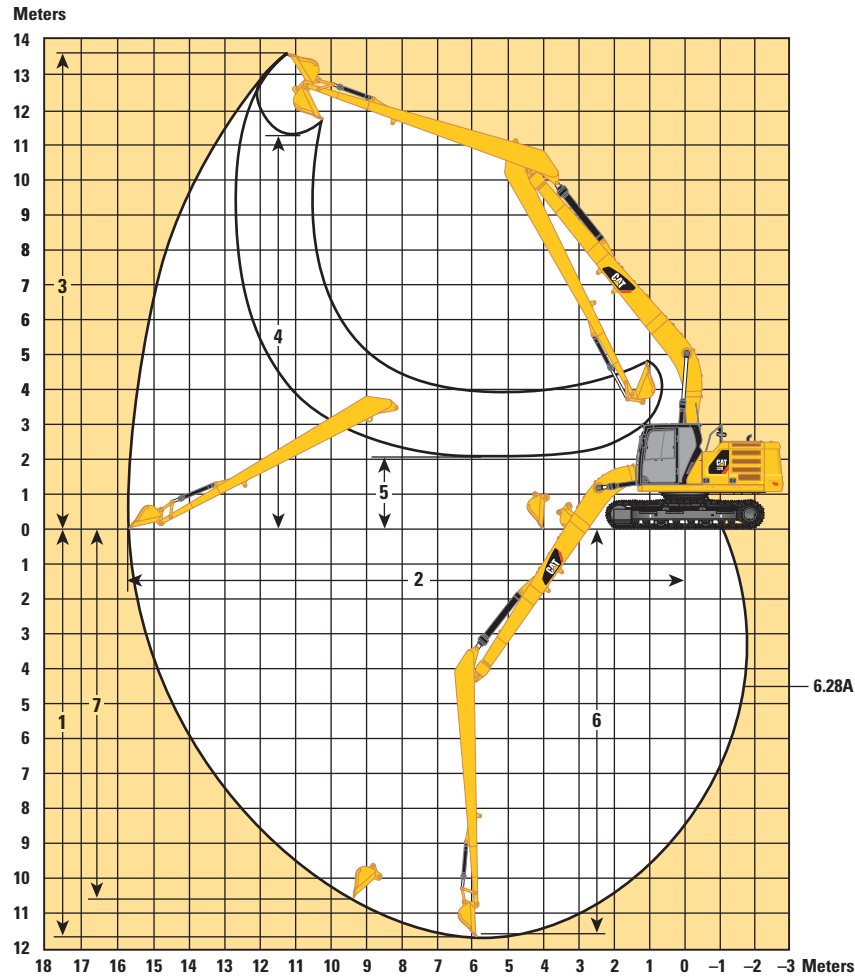
### Reach Sticks

	R2.9B1	R2.5B1	R2.9B1	R2.5B1
1 Maximum Digging Depth	6720 mm	6300 mm	6700 mm	6280 mm
2 Maximum Reach at Ground Line	9860 mm	9470 mm	10 210 mm	9810 mm
3 Maximum Cutting Height	9370 mm	9170 mm	11 520 mm	11 180 mm
4 Maximum Loading Height	6490 mm	6290 mm	8410 mm	8070 mm
5 Minimum Loading Height	2170 mm	2590 mm	3260 mm	3660 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	6550 mm	6110 mm	6600 mm	6180 mm
7 Maximum Vertical Wall Digging Depth	5190 mm	4800 mm	5060 mm	4680 mm
Bucket Digging Force (SAE)	134 kN	134 kN	134 kN	134 kN
Bucket Digging Force (ISO)	150 kN	150 kN	150 kN	150 kN
Stick Digging Force (SAE)	103 kN	114 kN	103 kN	114 kN
Stick Digging Force (ISO)	106 kN	118 kN	106 kN	118 kN
Bucket Type	GD	GD	GD	GD
Bucket Capacity	1.19 m <sup>3</sup>	1.19 m <sup>3</sup>	1.19 m <sup>3</sup>	1.19 m <sup>3</sup>
Bucket Tip Radius	1570 mm	1570 mm	1570 mm	1570 mm

# 320 Hydraulic Excavator Specifications

## Working Ranges

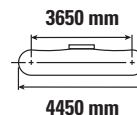
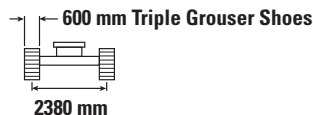
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Boom Option	SLR Boom 8.85 m	
Stick Options	6.28A	6.28A
1 Maximum Digging Depth	11 540 mm	11 690 mm
2 Maximum Reach at Ground Line	15 570 mm	15 730 mm
3 Maximum Cutting Height	13 540 mm	13 610 mm
4 Maximum Loading Height	11 440 mm	11 290 mm
5 Minimum Loading Height	2240 mm	2080 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	11 440 mm	11 590 mm
7 Maximum Vertical Wall Digging Depth	11 020 mm	10 560 mm
Bucket Digging Force (SAE)	62 kN	54 kN
Bucket Digging Force (ISO)	62 kN	60 kN
Stick Digging Force (SAE)	49 kN	48 kN
Stick Digging Force (ISO)	49 kN	49 kN
Bucket Type	DC	GD
Bucket Capacity	0.57 m <sup>3</sup>	0.53 m <sup>3</sup>
Bucket Tip Radius	1070 mm	1230 mm

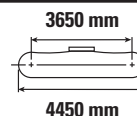
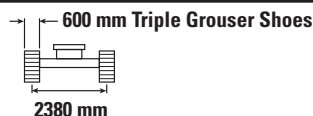
# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4550	*4550			*3950	*3950	6150
6000 mm	kg							*4950	*4950			*3650	*3650	7290
4500 mm	kg							*5450	5250	*5100	3700	*3600	3350	7990
3000 mm	kg					*7900	7650	*6250	5000	*5450	3600	*3650	3050	8360
1500 mm	kg					*9600	7150	*7050	4800	5450	3500	*3900	2950	8450
0 mm	kg			*6250	*6250	*10 500	6850	7400	4600	5350	3400	*4300	3000	8260
-1500 mm	kg	*6700	*6700	*10 800	*10 800	*10 600	6750	7300	4550	5300	3400	*5050	3250	7780
-3000 mm	kg	*11 450	*11 450	*14 050	13 200	*9950	6850	7350	4600			6000	3800	6950
-4500 mm	kg			*11 200	*11 200	*8050	7050					*6100	5250	5600

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7500 mm	kg							*4950	*4950			*4300	*4300	6150
6000 mm	kg							*5450	5400			*4000	3950	7290
4500 mm	kg							*6000	5250	*5650	3700	*3900	3350	7990
3000 mm	kg					*8700	7650	*6850	5000	5550	3600	*4000	3050	8360
1500 mm	kg					*10 550	7150	7600	4800	5450	3500	*4250	2950	8450
0 mm	kg			*6600	*6600	*11 600	6850	7400	4600	5350	3400	4700	3000	8260
-1500 mm	kg	*7100	*7100	*11 400	*11 400	11 550	6750	7300	4550	5300	3400	5050	3250	7780
-3000 mm	kg	*12 100	*12 100	*15 500	13 200	*10 950	6850	7350	4600			6000	3800	6950
-4500 mm	kg			*12 400	*12 400	*8950	7050					*6750	5250	5600



ISO 10567



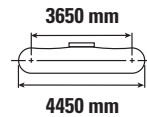
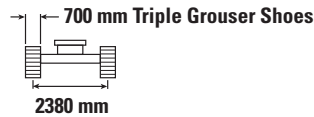
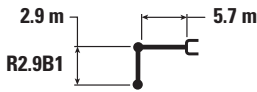
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Lift capacity stays with ±5% for all available track shoes.

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

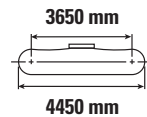
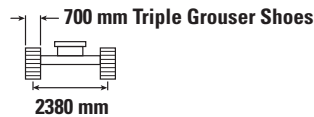
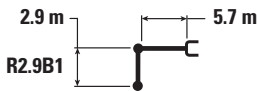
# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4550	*4550			*3950	*3950	6150
6000 mm	kg							*4950	*4950			*3650	*3650	7290
4500 mm	kg							*5450	5350	*5100	3750	*3600	3400	7990
3000 mm	kg					*7900	7750	*6250	5100	*5450	3700	*3650	3100	8360
1500 mm	kg					*9600	7250	*7050	4850	5550	3550	*3900	3000	8450
0 mm	kg			*6250	*6250	*10 500	6950	7500	4700	5450	3500	*4300	3050	8260
-1500 mm	kg	*6700	*6700	*10 800	*10 800	*10 600	6900	7450	4600	5400	3450	*5050	3300	7780
-3000 mm	kg	*11 450	*11 450	*14 050	13 400	*9950	6950	*7400	4650			*6050	3850	6950
-4500 mm	kg			*11 200	*11 200	*8050	7150					*6100	5300	5600

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



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7500 mm	kg							*4950	*4950			*4300	*4300	6150
6000 mm	kg							*5450	*5450			*4000	4000	7290
4500 mm	kg							*6000	5350	*5650	3750	*3900	3400	7990
3000 mm	kg					*8700	7750	*6850	5100	5650	3700	*4000	3100	8360
1500 mm	kg					*10 550	7250	7700	4850	5550	3550	*4250	3000	8450
0 mm	kg			*6600	*6600	*11 600	6950	7500	4700	5450	3500	*4700	3050	8260
-1500 mm	kg	*7100	*7100	*11 400	*11 400	*11 700	6900	7450	4600	5400	3450	5150	3300	7780
-3000 mm	kg	*12 100	*12 100	*15 500	13 400	*10 950	6950	7450	4650			6100	3850	6950
-4500 mm	kg			*12 400	*12 400	*8950	7150					*6750	5300	5600



ISO 10567



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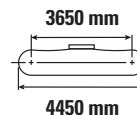
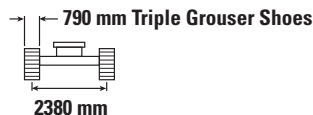
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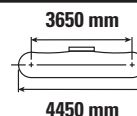
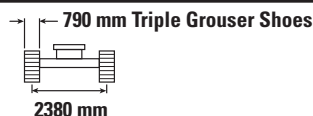
# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4550	*4550			*3950	*3950	6150
6000 mm	kg							*4950	*4950			*3650	*3650	7290
4500 mm	kg							*5450	5400	*5100	3800	*3600	3450	7990
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1500 mm	kg					*9600	7350	*7050	4900	5600	3600	*3900	3050	8450
0 mm	kg			*6250	*6250	*10 500	7050	7600	4750	5500	3500	*4300	3100	8260
-1500 mm	kg	*6700	*6700	*10 800	*10 800	*10 600	6950	7550	4700	5500	3500	*5050	3350	7780
-3000 mm	kg	*11 450	*11 450	*14 050	13 550	*9950	7050	*7400	4700			*6050	3900	6950
-4500 mm	kg			*11 200	*11 200	*8050	7250					*6100	5400	5600

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4950	*4950			*4300	*4300	6150
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0 mm	kg			*6600	*6600	*11 600	7050	7600	4750	5500	3500	*4700	3100	8260
-1500 mm	kg	*7100	*7100	*11 400	*11 400	*11 700	6950	7550	4700	5500	3500	5250	3350	7780
-3000 mm	kg	*12 100	*12 100	*15 500	13 550	*10 950	7050	7600	4700			6150	3900	6950
-4500 mm	kg			*12 400	*12 400	*8950	7250					*6750	5400	5600



ISO 10567



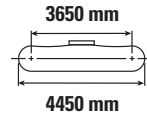
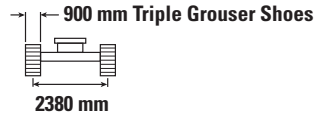
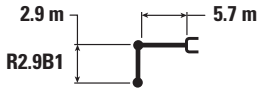
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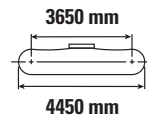
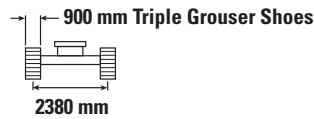
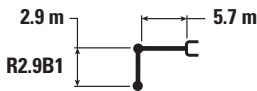
# 320 Hydraulic Excavator Specifications

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4550	*4550			*3950	*3950	6150
6000 mm	kg							*4950	*4950			*3650	*3650	7290
4500 mm	kg							*5450	*5450	*5100	3950	*3600	3550	7990
3000 mm	kg					*7900	*7900	*6250	5300	*5450	3850	*3650	3250	8360
1500 mm	kg					*9600	7550	*7050	5100	5800	3750	*3900	3150	8450
0 mm	kg			*6250	*6250	*10 500	7300	*7650	4900	5700	3650	*4300	3200	8260
-1500 mm	kg	*6700	*6700	*10 800	*10 800	*10 600	7200	7800	4850	5700	3600	*5050	3450	7780
-3000 mm	kg	*11 450	*11 450	*14 050	14 000	*9950	7250	*7400	4900			*6050	4050	6950
-4500 mm	kg			*11 200	*11 200	*8050	7500					*6100	5550	5600

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg							*4950	*4950			*4300	*4300	6150
6000 mm	kg							*5450	*5450			*4000	*4000	7290
4500 mm	kg							*6000	5550	*5650	3950	*3900	3550	7990
3000 mm	kg					*8700	8050	*6850	5300	5950	3850	*4000	3250	8360
1500 mm	kg					*10 550	7550	*7800	5100	5800	3750	*4250	3150	8450
0 mm	kg			*6600	*6600	*11 600	7300	7900	4900	5700	3650	*4700	3200	8260
-1500 mm	kg	*7100	*7100	*11 400	*11 400	*11 700	7200	7800	4850	5700	3600	5400	3450	7780
-3000 mm	kg	*12 100	*12 100	*15 500	14 000	*10 950	7250	7850	4900			6400	4050	6950
-4500 mm	kg			*12 400	*12 400	*8950	7500					*6750	5550	5600



ISO 10567



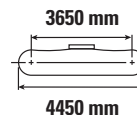
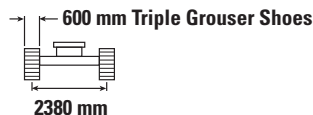
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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












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

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

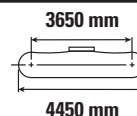
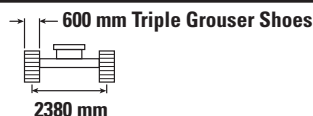
# 320 Hydraulic Excavator Specifications












## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*4750	*4750	5600
6000 mm	kg					*5350	5300			*4350	4300	6830
4500 mm	kg			*6700	*6700	*5750	5200	*4800	3650	*4250	3600	7570
3000 mm	kg			*8450	7500	*6500	4950	5550	3600	*4350	3250	7960
1500 mm	kg			*9950	7050	*7300	4750	5400	3500	*4650	3150	8050
0 mm	kg			*10 650	6800	7350	4600	5350	3400	5000	3200	7860
-1500 mm	kg	*11 350	*11 350	*10 500	6800	7350	4550			5500	3500	7350
-3000 mm	kg	*13 150	*13 150	*9550	6900	*7050	4650			*6300	4200	6470
-4500 mm	kg			*7150	*7150					*6200	*6200	4980

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*5150	*5150	5600
6000 mm	kg					*5900	5300			*4750	4300	6830
4500 mm	kg			*7400	*7400	*6350	5200	*5250	3650	*4650	3600	7570
3000 mm	kg			*9300	7500	*7200	4950	5550	3600	*4750	3250	7960
1500 mm	kg			*11 000	7050	7550	4750	5400	3500	4900	3150	8050
0 mm	kg			11 600	6800	7350	4600	5350	3400	5000	3200	7860
-1500 mm	kg	*12 000	*12 000	11 550	6800	7350	4550			5500	3500	7350
-3000 mm	kg	*14 550	13 300	*10 550	6900	7400	4650			6700	4200	6470
-4500 mm	kg			*7900	7150					*6850	6250	4980



ISO 10567



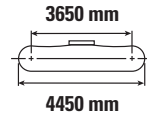
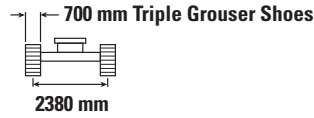
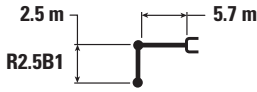
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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












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

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

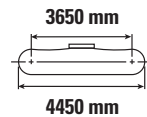
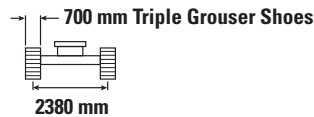
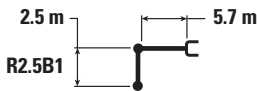
# 320 Hydraulic Excavator Specifications












## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*4750	*4750	5600
6000 mm	kg					*5350	*5350			*4350	*4350	6830
4500 mm	kg			*6700	*6700	*5750	5250	*4800	3700	*4250	3650	7570
3000 mm	kg			*8450	7600	*6500	5050	5600	3650	*4350	3300	7960
1500 mm	kg			*9950	7150	*7300	4800	5500	3550	*4650	3200	8050
0 mm	kg			*10 650	6900	7500	4650	5450	3450	5100	3250	7860
-1500 mm	kg	*11 350	*11 350	*10 500	6900	7450	4650			5600	3550	7350
-3000 mm	kg	*13 150	*13 150	*9550	7000	*7050	4700			*6300	4300	6470
-4500 mm	kg			*7150	*7150					*6200	*6200	4980

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*5150	*5150	5600
6000 mm	kg					*5900	5400			*4750	4350	6830
4500 mm	kg			*7400	*7400	*6350	5250	*5250	3700	*4650	3650	7570
3000 mm	kg			*9300	7600	*7200	5050	5600	3650	*4750	3300	7960
1500 mm	kg			*11 000	7150	7650	4800	5500	3550	4950	3200	8050
0 mm	kg			*11 700	6900	7500	4650	5450	3450	5100	3250	7860
-1500 mm	kg	*12 000	*12 000	*11 600	6900	7450	4650			5600	3550	7350
-3000 mm	kg	*14 550	13 500	*10 550	7000	7550	4700			6800	4300	6470
-4500 mm	kg			*7900	7250					*6850	6350	4980



ISO 10567



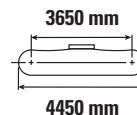
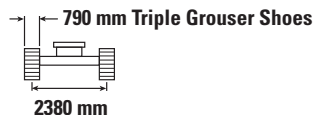
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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












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

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

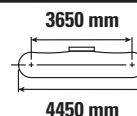
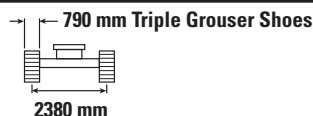
# 320 Hydraulic Excavator Specifications












## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*4750	*4750	5600
6000 mm	kg					*5350	*5350			*4350	*4350	6830
4500 mm	kg			*6700	*6700	*5750	5300	*4800	3750	*4250	3700	7570
3000 mm	kg			*8450	7700	*6500	5100	*5650	3700	*4350	3350	7960
1500 mm	kg			*9950	7250	*7300	4850	5600	3600	*4650	3250	8050
0 mm	kg			*10 650	7000	7600	4750	5500	3500	5150	3300	7860
-1500 mm	kg	*11 350	*11 350	*10 500	7000	7550	4700			5650	3600	7350
-3000 mm	kg	*13 150	*13 150	*9550	7100	*7050	4750			*6300	4350	6470
-4500 mm	kg			*7150	*7150					*6200	*6200	4980

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*5150	*5150	5600
6000 mm	kg					*5900	5450			*4750	4400	6830
4500 mm	kg			*7400	*7400	*6350	5300	*5250	3750	*4650	3700	7570
3000 mm	kg			*9300	7700	*7200	5100	5700	3700	*4750	3350	7960
1500 mm	kg			*11 000	7250	7750	4850	5600	3600	5050	3250	8050
0 mm	kg			*11 700	7000	7600	4750	5500	3500	5150	3300	7860
-1500 mm	kg	*12 000	*12 000	*11 600	7000	7550	4700			5650	3600	7350
-3000 mm	kg	*14 550	13 700	*10 550	7100	7650	4750			6900	4350	6470
-4500 mm	kg			*7900	7350					*6850	6400	4980



ISO 10567



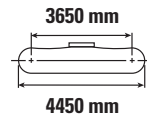
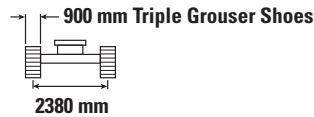
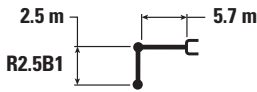
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

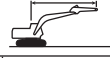










Lift capacity stays with ±5% for all available track shoes.

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

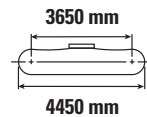
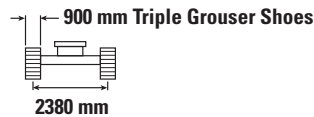
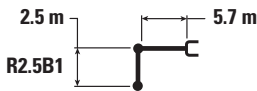
# 320 Hydraulic Excavator Specifications












## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*4750	*4750	5600
6000 mm	kg					*5350	*5350			*4350	*4350	6830
4500 mm	kg			*6700	*6700	*5750	5500	*4800	3900	*4250	3850	7570
3000 mm	kg			*8450	7900	*6500	5250	*5650	3800	*4350	3500	7960
1500 mm	kg			*9950	7450	*7300	5050	5800	3700	*4650	3350	8050
0 mm	kg			*10 650	7250	*7800	4900	5700	3650	*5200	3450	7860
-1500 mm	kg	*11 350	*11 350	*10 500	7200	*7800	4850			5850	3750	7350
-3000 mm	kg	*13 150	*13 150	*9550	7300	*7050	4950			*6300	4500	6470
-4500 mm	kg			*7150	*7150					*6200	*6200	4980

## Reach Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm				mm
												
7500 mm	kg									*5150	*5150	5600
6000 mm	kg					*5900	5600			*4750	4550	6830
4500 mm	kg			*7400	*7400	*6350	5500	*5250	3900	*4650	3850	7570
3000 mm	kg			*9300	7900	*7200	5250	5900	3800	*4750	3500	7960
1500 mm	kg			*11 000	7450	8000	5050	5800	3700	*5100	3350	8050
0 mm	kg			*11 700	7250	7850	4900	5700	3650	5350	3450	7860
-1500 mm	kg	*12 000	*12 000	*11 600	7200	7800	4850			5850	3750	7350
-3000 mm	kg	*14 550	14 150	*10 550	7300	*7800	4950			*7000	4500	6470
-4500 mm	kg			*7900	7600					*6850	6600	4980



ISO 10567



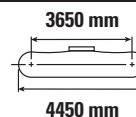
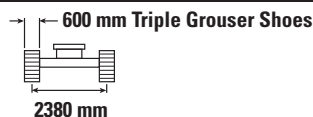
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

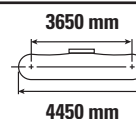
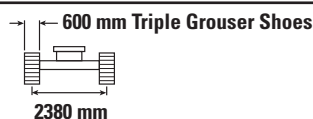
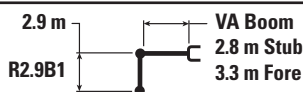
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*4700	*4700					*4750	*4750	4880
7500 mm	kg					*6500	*6500	*3950	*3950			*3950	*3950	6620
6000 mm	kg					*6700	*6700	*4750	*4750	*3750	3650	*3700	3450	7690
4500 mm	kg			*10 500	*10 500	*6650	*6650	*4650	*4650	*3650	3600	*3600	2950	8350
3000 mm	kg			*10 000	*10 000	*6400	*6400	*3850	*3850	*3950	3450	*3650	2700	8710
1500 mm	kg			*5750	*5750	*5600	*5600	*4350	*4350	*4450	3250	*3800	2600	8790
0 mm	kg	*6500	*6500	*5300	*5300	*7400	6300	*5150	4250	*5050	3150	*4150	2600	8610
-1500 mm	kg	*8250	*8250	*8500	*8500	*8350	6250	*6500	4200	*4850	3100	*3950	2800	8160
-3000 mm	kg	*13 250	*13 250	*8850	*8850	*6200	*6200	*4900	4250			*3250	*3250	7340
-4500 mm	kg	*20 450	*20 450	*9150	*9150	*5800	*5800					*4850	*4850	5350

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*5100	*5100					*5200	*5200	4880
7500 mm	kg					*7100	*7100	*4300	*4300			*4350	*4350	6620
6000 mm	kg					*7300	*7300	*5250	*5250	*4050	3650	*4000	3450	7690
4500 mm	kg			*11 500	*11 500	*7300	*7300	*5150	5150	*4000	3600	*3900	2950	8350
3000 mm	kg			*11 000	*11 000	*7050	*7050	*4250	*4250	*4350	3450	*3950	2700	8710
1500 mm	kg			*6100	*6100	*6200	*6200	*4800	4500	*4850	3250	*4150	2600	8790
0 mm	kg	*6900	*6900	*5600	*5600	*8200	6300	*5700	4250	5150	3150	4250	2600	8610
-1500 mm	kg	*8750	*8750	*9000	*9000	*9300	6250	7050	4200	5100	3100	*4450	2800	8160
-3000 mm	kg	*14 000	*14 000	*9950	*9950	*7000	6350	*5500	4250			*3700	3300	7340
-4500 mm	kg	*22 050	*22 050	*10 250	*10 250	*6500	*6500					*5450	5250	5350



ISO 10567



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

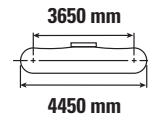
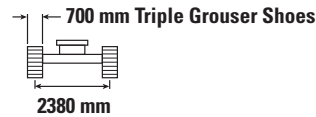
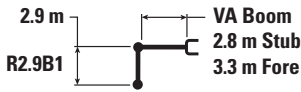
VA cylinder is flexible.

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

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

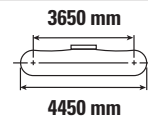
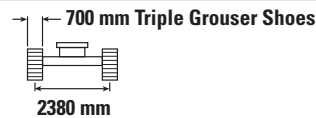
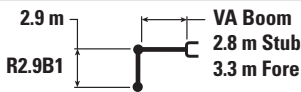
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*4700	*4700					*4750	*4750	4880
7500 mm	kg					*6500	*6500	*3950	*3950			*3950	*3950	6620
6000 mm	kg					*6700	*6700	*4750	*4750	*3750	3700	*3700	3500	7690
4500 mm	kg			*10 500	*10 500	*6650	*6650	*4650	*4650	*3650	3650	*3600	3000	8350
3000 mm	kg			*10 000	*10 000	*6400	*6400	*3850	*3850	*3950	3500	*3650	2750	8710
1500 mm	kg			*5750	*5750	*5600	*5600	*4350	*4350	*4450	3350	*3800	2650	8790
0 mm	kg	*6500	*6500	*5300	*5300	*7400	6450	*5150	4350	*5050	3200	*4150	2650	8610
-1500 mm	kg	*8250	*8250	*8500	*8500	*8350	6350	*6500	4250	*4850	3200	*3950	2850	8160
-3000 mm	kg	*13 250	*13 250	*8850	*8850	*6200	*6200	*4900	4300			*3250	*3250	7340
-4500 mm	kg	*20 450	*20 450	*9150	*9150	*5800	*5800					*4850	*4850	5350

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*5100	*5100					*5200	*5200	4880
7500 mm	kg					*7100	*7100	*4300	*4300			*4350	*4350	6620
6000 mm	kg					*7300	*7300	*5250	*5250	*4050	3700	*4000	3500	7690
4500 mm	kg			*11 500	*11 500	*7300	*7300	*5150	*5150	*4000	3650	*3900	3000	8350
3000 mm	kg			*11 000	*11 000	*7050	*7050	*4250	*4250	*4350	3500	*3950	2750	8710
1500 mm	kg			*6100	*6100	*6200	*6200	*4800	4550	*4850	3350	*4150	2650	8790
0 mm	kg	*6900	*6900	*5600	*5600	*8200	6450	*5700	4350	5250	3200	4300	2650	8610
-1500 mm	kg	*8750	*8750	*9000	*9000	*9300	6350	7150	4250	5200	3200	*4450	2850	8160
-3000 mm	kg	*14 000	*14 000	*9950	*9950	*7000	6450	*5500	4300			*3700	3350	7340
-4500 mm	kg	*22 050	*22 050	*10 250	*10 250	*6500	*6500					*5450	5300	5350



ISO 10567



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

VA cylinder is flexible.

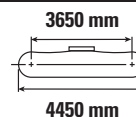
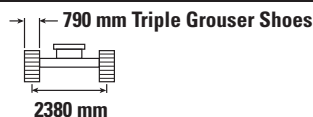
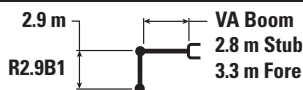
Lift capacity stays with ±5% for all available track shoes.

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



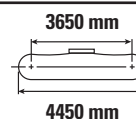
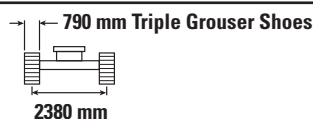
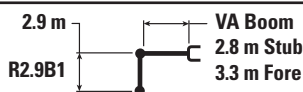
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*4700	*4700					*4750	*4750	4880
7500 mm	kg					*6500	*6500	*3950	*3950			*3950	*3950	6620
6000 mm	kg					*6700	*6700	*4750	*4750	*3750	*3750	*3700	3550	7690
4500 mm	kg			*10 500	*10 500	*6650	*6650	*4650	*4650	*3650	*3650	*3600	3050	8350
3000 mm	kg			*10 000	*10 000	*6400	*6400	*3850	*3850	*3950	3550	*3650	2800	8710
1500 mm	kg			*5750	*5750	*5600	*5600	*4350	*4350	*4450	3400	*3800	2650	8790
0 mm	kg	*6500	*6500	*5300	*5300	*7400	6500	*5150	4400	*5050	3250	*4150	2700	8610
-1500 mm	kg	*8250	*8250	*8500	*8500	*8350	6450	*6500	4300	*4850	3200	*3950	2900	8160
-3000 mm	kg	*13 250	*13 250	*8850	*8850	*6200	*6200	*4900	4350			*3250	*3250	7340
-4500 mm	kg	*20 450	*20 450	*9150	*9150	*5800	*5800					*4850	*4850	5350

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*5100	*5100					*5200	*5200	4880
7500 mm	kg					*7100	*7100	*4300	*4300			*4350	*4350	6620
6000 mm	kg					*7300	*7300	*5250	*5250	*4050	3750	*4000	3550	7690
4500 mm	kg			*11 500	*11 500	*7300	*7300	*5150	*5150	*4000	3700	*3900	3050	8350
3000 mm	kg			*11 000	*11 000	*7050	*7050	*4250	*4250	*4350	3550	*3950	2800	8710
1500 mm	kg			*6100	*6100	*6200	*6200	*4800	4600	*4850	3400	*4150	2650	8790
0 mm	kg	*6900	*6900	*5600	*5600	*8200	6500	*5700	4400	5300	3250	4400	2700	8610
-1500 mm	kg	*8750	*8750	*9000	*9000	*9300	6450	*7250	4300	5300	3200	*4450	2900	8160
-3000 mm	kg	*14 000	*14 000	*9950	*9950	*7000	6550	*5500	4350			*3700	3400	7340
-4500 mm	kg	*22 050	*22 050	*10 250	*10 250	*6500	*6500					*5450	5400	5350



ISO 10567



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

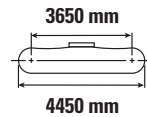
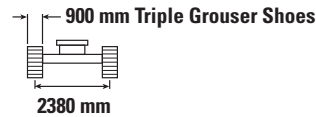
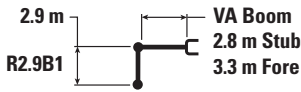
VA cylinder is flexible.

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

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

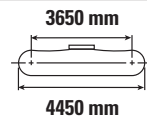
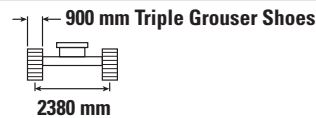
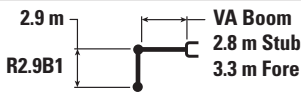
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*4700	*4700					*4750	*4750	4880
7500 mm	kg					*6500	*6500	*3950	*3950			*3950	*3950	6620
6000 mm	kg					*6700	*6700	*4750	*4750	*3750	*3750	*3700	*3700	7690
4500 mm	kg			*10 500	*10 500	*6650	*6650	*4650	*4650	*3650	*3650	*3600	3150	8350
3000 mm	kg			*10 000	*10 000	*6400	*6400	*3850	*3850	*3950	3650	*3650	2900	8710
1500 mm	kg			*5750	*5750	*5600	*5600	*4350	*4350	*4450	3500	*3800	2750	8790
0 mm	kg	*6500	*6500	*5300	*5300	*7400	6750	*5150	4550	*5050	3400	*4150	2800	8610
-1500 mm	kg	*8250	*8250	*8500	*8500	*8350	6700	*6500	4500	*4850	3350	*3950	3050	8160
-3000 mm	kg	*13 250	*13 250	*8850	*8850	*6200	*6200	*4900	4550			*3250	*3250	7340
-4500 mm	kg	*20 450	*20 450	*9150	*9150	*5800	*5800					*4850	*4850	5350

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg					*5100	*5100					*5200	*5200	4880
7500 mm	kg					*7100	*7100	*4300	*4300			*4350	*4350	6620
6000 mm	kg					*7300	*7300	*5250	*5250	*4050	3850	*4000	3700	7690
4500 mm	kg			*11 500	*11 500	*7300	*7300	*5150	*5150	*4000	3800	*3900	3150	8350
3000 mm	kg			*11 000	*11 000	*7050	*7050	*4250	*4250	*4350	3650	*3950	2900	8710
1500 mm	kg			*6100	*6100	*6200	*6200	*4800	4800	*4850	3500	*4150	2750	8790
0 mm	kg	*6900	*6900	*5600	*5600	*8200	6750	*5700	4550	*5500	3400	*4500	2800	8610
-1500 mm	kg	*8750	*8750	*9000	*9000	*9300	6700	*7250	4500	*5400	3350	*4450	3050	8160
-3000 mm	kg	*14 000	*14 000	*9950	*9950	*7000	6800	*5500	4550			*3700	3550	7340
-4500 mm	kg	*22 050	*22 050	*10 250	*10 250	*6500	*6500					*5450	*5450	5350



ISO 10567



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

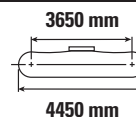
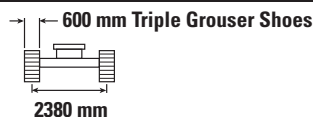
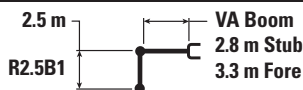
VA cylinder is flexible.

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

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

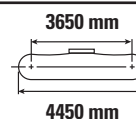
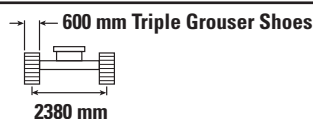
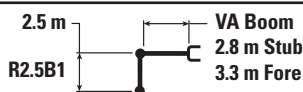
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg											*5950	*5950	4110
7500 mm	kg					*6850	*6850	*4800	*4800			*4800	*4800	6080
6000 mm	kg					*6750	*6750	*4350	*4350			*4400	3800	7230
4500 mm	kg			*10 400	*10 400	*6550	*6550	*4200	*4200	*4400	3500	*4250	3150	7930
3000 mm	kg			*9450	*9450	*5900	*5900	*4050	*4050	*4600	3400	*4350	2850	8300
1500 mm	kg			*6450	*6450	*6050	*6050	*4600	4400	*5100	3250	4450	2750	8390
0 mm	kg	*9250	*9250	*6050	*6050	*8050	6300	*5550	4250	5150	3150	4550	2800	8210
-1500 mm	kg	*10 400	*10 400	*8850	*8850	*7750	6300	*6150	4200	*4400	3150	*4000	3050	7720
-3000 mm	kg	*16 250	*16 250	*8950	*8950	*5650	*5650	*4250	*4250			*3600	*3600	6780
-4500 mm	kg	*20 950	*20 950	*9400	*9400							*6500	*6500	4150

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg											*6500	*6500	4110
7500 mm	kg					*7500	*7500	*5250	5250			*5200	5100	6080
6000 mm	kg					*7400	*7400	*4750	*4750			*4800	3800	7230
4500 mm	kg			*11 400	*11 400	*7200	*7200	*4650	*4650	*4800	3500	*4650	3150	7930
3000 mm	kg			*10 000	*10 000	*6500	*6500	*4500	*4500	*5000	3400	4600	2850	8300
1500 mm	kg			*6850	*6850	*6700	6500	*5100	4400	5250	3250	4450	2750	8390
0 mm	kg	*9800	*9800	*6400	*6400	*8900	6300	*6100	4250	5150	3150	4550	2800	8210
-1500 mm	kg	*11 000	*11 000	*9950	*9950	*8650	6300	*6850	4200	*4950	3150	*4500	3050	7720
-3000 mm	kg	*17 200	*17 200	*10 050	*10 050	*6350	*6350	*4800	4300			*4100	3700	6780
-4500 mm	kg	*23 250	*23 250	*10 500	*10 500							*7300	*7300	4150



ISO 10567



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

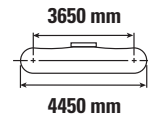
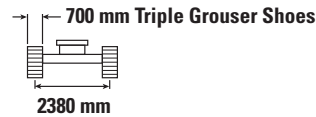
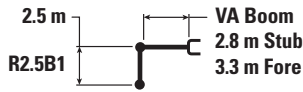
VA cylinder is flexible.

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

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

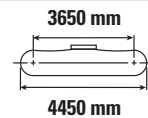
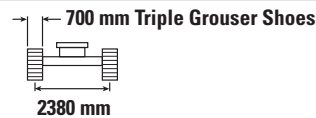
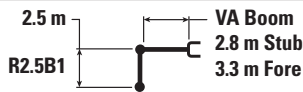
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg											*5950	*5950	4110
7500 mm	kg					*6850	*6850	*4800	*4800			*4800	*4800	6080
6000 mm	kg					*6750	*6750	*4350	*4350			*4400	3850	7230
4500 mm	kg			*10 400	*10 400	*6550	*6550	*4200	*4200	*4400	3550	*4250	3200	7930
3000 mm	kg			*9450	*9450	*5900	*5900	*4050	*4050	*4600	3450	*4350	2900	8300
1500 mm	kg			*6450	*6450	*6050	*6050	*4600	4500	*5100	3300	4500	2800	8390
0 mm	kg	*9250	*9250	*6050	*6050	*8050	6400	*5550	4300	5250	3200	*4600	2850	8210
-1500 mm	kg	*10 400	*10 400	*8850	*8850	*7750	6400	*6150	4250	*4400	3200	*4000	3100	7720
-3000 mm	kg	*16 250	*16 250	*8950	*8950	*5650	*5650	*4250	*4250			*3600	*3600	6780
-4500 mm	kg	*20 950	*20 950	*9400	*9400							*6500	*6500	4150

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg											*6500	*6500	4110
7500 mm	kg					*7500	*7500	*5250	*5250			*5200	5200	6080
6000 mm	kg					*7400	*7400	*4750	*4750			*4800	3850	7230
4500 mm	kg			*11 400	*11 400	*7200	*7200	*4650	*4650	*4800	3550	*4650	3200	7930
3000 mm	kg			*10 000	*10 000	*6500	*6500	*4500	*4500	*5000	3450	4650	2900	8300
1500 mm	kg			*6850	*6850	*6700	6600	*5100	4500	5350	3300	4500	2800	8390
0 mm	kg	*9800	*9800	*6400	*6400	*8900	6400	*6100	4300	5250	3200	4650	2850	8210
-1500 mm	kg	*11 000	*11 000	*9950	*9950	*8650	6400	*6850	4250	*4950	3200	*4500	3100	7720
-3000 mm	kg	*17 200	*17 200	*10 050	*10 050	*6350	*6350	*4800	4350			*4100	3750	6780
-4500 mm	kg	*23 250	*23 250	*10 500	*10 500							*7300	*7300	4150



ISO 10567



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

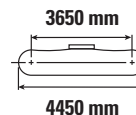
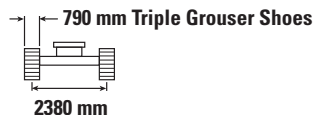
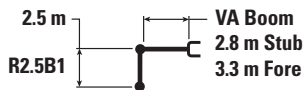
VA cylinder is flexible.

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

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

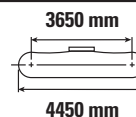
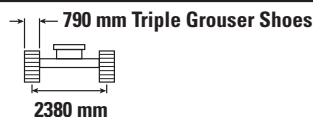
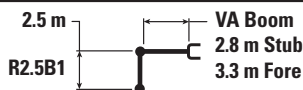
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
9000 mm	kg											*5950	*5950	4110
7500 mm	kg					*6850	*6850	*4800	*4800			*4800	*4800	6080
6000 mm	kg					*6750	*6750	*4350	*4350			*4400	3900	7230
4500 mm	kg			*10 400	*10 400	*6550	*6550	*4200	*4200	*4400	3600	*4250	3250	7930
3000 mm	kg			*9450	*9450	*5900	*5900	*4050	*4050	*4600	3500	*4350	2950	8300
1500 mm	kg			*6450	*6450	*6050	*6050	*4600	4550	*5100	3350	*4550	2850	8390
0 mm	kg	*9250	*9250	*6050	*6050	*8050	6500	*5550	4400	5300	3250	*4600	2900	8210
-1500 mm	kg	*10 400	*10 400	*8850	*8850	*7750	6500	*6150	4350	*4400	3250	*4000	3150	7720
-3000 mm	kg	*16 250	*16 250	*8950	*8950	*5650	*5650	*4250	*4250			*3600	*3600	6780
-4500 mm	kg	*20 950	*20 950	*9400	*9400							*6500	*6500	4150

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
9000 mm	kg											*6500	*6500	4110
7500 mm	kg					*7500	*7500	*5250	*5250			*5200	*5200	6080
6000 mm	kg					*7400	*7400	*4750	*4750			*4800	3900	7230
4500 mm	kg			*11 400	*11 400	*7200	*7200	*4650	*4650	*4800	3600	*4650	3250	7930
3000 mm	kg			*10 000	*10 000	*6500	*6500	*4500	*4500	*5000	3500	*4700	2950	8300
1500 mm	kg			*6850	*6850	*6700	*6700	*5100	4550	5400	3350	4600	2850	8390
0 mm	kg	*9800	*9800	*6400	*6400	*8900	6500	*6100	4400	5300	3250	4700	2900	8210
-1500 mm	kg	*11 000	*11 000	*9950	*9950	*8650	6500	*6850	4350	*4950	3250	*4500	3150	7720
-3000 mm	kg	*17 200	*17 200	*10 050	*10 050	*6350	*6350	*4800	4450			*4100	3800	6780
-4500 mm	kg	*23 250	*23 250	*10 500	*10 500							*7300	*7300	4150



ISO 10567



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

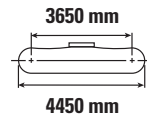
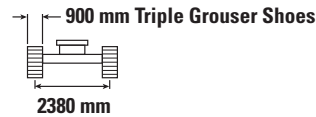
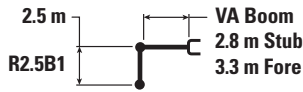
VA cylinder is flexible.

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

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

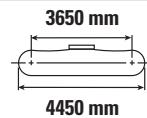
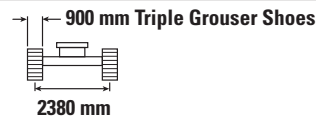
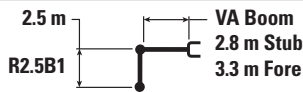
# 320 Hydraulic Excavator Specifications

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: Off



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg											*5950	*5950	4110
7500 mm	kg					*6850	*6850	*4800	*4800			*4800	*4800	6080
6000 mm	kg					*6750	*6750	*4350	*4350			*4400	4000	7230
4500 mm	kg			*10 400	*10 400	*6550	*6550	*4200	*4200	*4400	3750	*4250	3400	7930
3000 mm	kg			*9450	*9450	*5900	*5900	*4050	*4050	*4600	3600	*4350	3050	8300
1500 mm	kg			*6450	*6450	*6050	*6050	*4600	*4600	*5100	3450	*4550	2950	8390
0 mm	kg	*9250	*9250	*6050	*6050	*8050	6700	*5550	4550	*5450	3400	*4600	3000	8210
-1500 mm	kg	*10 400	*10 400	*8850	*8850	*7750	6700	*6150	4500	*4400	3400	*4000	3250	7720
-3000 mm	kg	*16 250	*16 250	*8950	*8950	*5650	*5650	*4250	*4250			*3600	*3600	6780
-4500 mm	kg	*20 950	*20 950	*9400	*9400							*6500	*6500	4150

## Variable Angle Boom Lift Capacities – Counterweight: 4.2 mt – without Bucket, Heavy Lift: On



Boom Length	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	Hydraulic	Tipping	
9000 mm	kg											*6500	*6500	4110
7500 mm	kg					*7500	*7500	*5250	*5250			*5200	*5200	6080
6000 mm	kg					*7400	*7400	*4750	*4750			*4800	4000	7230
4500 mm	kg			*11 400	*11 400	*7200	*7200	*4650	*4650	*4800	3750	*4650	3400	7930
3000 mm	kg			*10 000	*10 000	*6500	*6500	*4500	*4500	*5000	3600	*4700	3050	8300
1500 mm	kg			*6850	*6850	*6700	*6700	*5100	4700	*5550	3450	4750	2950	8390
0 mm	kg	*9800	*9800	*6400	*6400	*8900	6700	*6100	4550	5500	3400	4850	3000	8210
-1500 mm	kg	*11 000	*11 000	*9950	*9950	*8650	6700	*6850	4500	*4950	3400	*4500	3250	7720
-3000 mm	kg	*17 200	*17 200	*10 050	*10 050	*6350	*6350	*4800	4600			*4100	3950	6780
-4500 mm	kg	*23 250	*23 250	*10 500	*10 500							*7300	*7300	4150



ISO 10567



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

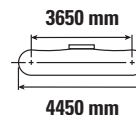
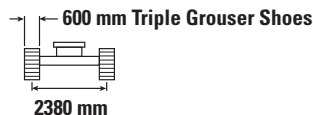
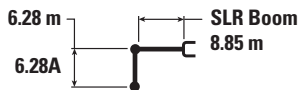
VA cylinder is flexible.

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

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

# 320 Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: Off



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6050	*6050	*4450	*4450	*3650	3600	*1150	1150	14 550
1500 mm	kg					*6750	6350	*5250	4400	*4150	3250	*1200	1100	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*5900	3950	*4550	2950	*1250	1100	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	*6300	3700	4750	2750	*1350	1100	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	6350	3550	4600	2650	*1500	1150	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5350	6300	3550	4550	2600	*1700	1200	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5450	*6200	3550	4550	2600	*2000	1350	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*7350	5650	*5700	3700	*4600	2700	*2500	1600	11 240
-9000 mm	kg			*7950	*7950	*6200	5950	*4900	3850	*3950	2800	*2700	2000	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2200	*2200					*1200	*1200	11 660
9000 mm	kg			*2200	*2200	*2000	1900			*1150	*1150	12 660
7500 mm	kg			*2250	*2250	*2250	1900			*1100	*1100	13 410
6000 mm	kg			*2400	2400	*2300	1850	*1850	1450	*1100	*1100	13 970
4500 mm	kg	*2800	*2800	*2600	2250	*2400	1750	2300	1400	*1100	*1100	14 340
3000 mm	kg	*3150	2750	*2800	2100	*2550	1700	2200	1350	*1150	1150	14 550
1500 mm	kg	*3450	2500	*3000	2000	2600	1600	2150	1300	*1200	1100	14 600
0 mm	kg	*3750	2300	3100	1850	2550	1500	2100	1250	*1250	1100	14 490
-1500 mm	kg	3700	2150	2950	1750	2450	1450	2050	1200	*1350	1100	14 230
-3000 mm	kg	3600	2100	2900	1700	2400	1400	2050	1150	*1500	1150	13 790
-4500 mm	kg	3550	2050	2850	1650	2400	1350			*1700	1200	13 170
-6000 mm	kg	3550	2050	2850	1650	2400	1400			*2000	1350	12 340
-7500 mm	kg	3600	2100	2950	1700					*2500	1600	11 240
-9000 mm	kg	*3150	2250							*2700	2000	9800



ISO 10567



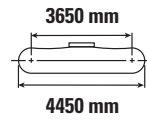
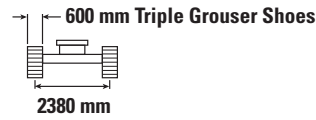
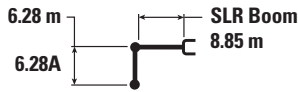
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

# 320 Hydraulic Excavator Specifications

Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6750	*6750	*5000	5000	*4100	3600	*1150	1150	14 550
1500 mm	kg					*6750	6350	*5900	4400	*4650	3250	*1200	1100	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*6650	3950	4950	2950	*1250	1100	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	6500	3700	4750	2750	*1350	1100	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	6350	3550	4600	2650	*1500	1150	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5350	6300	3550	4550	2600	*1700	1200	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5450	6350	3550	4550	2600	*2000	1350	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*8300	5650	*6450	3700	4650	2700	*2500	1600	11 240
-9000 mm	kg			*7950	*7950	*7050	5950	*5550	3850	*4500	2800	*3100	2000	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2350	*2350					*1200	*1200	11 660
9000 mm	kg			*2450	*2450	*2000	1900			*1150	*1150	12 660
7500 mm	kg			*2550	2500	*2500	1900			*1100	*1100	13 410
6000 mm	kg			*2700	2400	*2600	1850	*1850	1450	*1100	*1100	13 970
4500 mm	kg	*3150	2950	*2900	2250	*2750	1750	2300	1400	*1100	*1100	14 340
3000 mm	kg	*3500	2750	*3150	2100	2700	1700	2200	1350	*1150	1150	14 550
1500 mm	kg	*3900	2500	3200	2000	2600	1600	2150	1300	*1200	1100	14 600
0 mm	kg	3850	2300	3100	1850	2550	1500	2100	1250	*1250	1100	14 490
-1500 mm	kg	3700	2150	2950	1750	2450	1450	2050	1200	*1350	1100	14 230
-3000 mm	kg	3600	2100	2900	1700	2400	1400	2050	1150	*1500	1150	13 790
-4500 mm	kg	3550	2050	2850	1650	2400	1350			*1700	1200	13 170
-6000 mm	kg	3550	2050	2850	1650	2400	1400			*2000	1350	12 340
-7500 mm	kg	3600	2100	2950	1700					*2500	1600	11 240
-9000 mm	kg	*3600	2250							*3100	2000	9800



ISO 10567



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

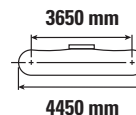
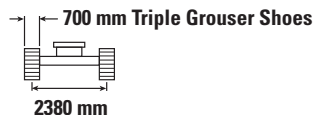
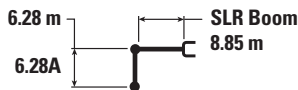
Lift capacity stays with ±5% for all available track shoes.

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



# 320 Hydraulic Excavator Specifications

Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: Off



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6050	*6050	*4450	*4450	*3650	*3650	*1150	*1150	14 550
1500 mm	kg					*6750	6500	*5250	4500	*4150	3300	*1200	1100	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*5900	4050	*4550	3050	*1250	1100	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	*6300	3750	4800	2850	*1350	1100	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	6450	3650	4700	2700	*1500	1150	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5450	6400	3600	4650	2650	*1700	1250	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5600	*6200	3650	4650	2650	*2000	1400	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*7350	5750	*5700	3750	*4600	2750	*2500	1650	11 240
-9000 mm	kg			*7950	*7950	*6200	6050	*4900	3950	*3950	2900	*2700	2050	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2200	*2200					*1200	*1200	11 660
9000 mm	kg			*2200	*2200	*2000	1950			*1150	*1150	12 660
7500 mm	kg			*2250	*2250	*2250	1950			*1100	*1100	13 410
6000 mm	kg			*2400	*2400	*2300	1900	*1850	1450	*1100	*1100	13 970
4500 mm	kg	*2800	*2800	*2600	2300	*2400	1800	*2300	1400	*1100	*1100	14 340
3000 mm	kg	*3150	2750	*2800	2150	*2550	1700	2250	1350	*1150	*1150	14 550
1500 mm	kg	*3450	2550	*3000	2000	2650	1600	2200	1300	*1200	1100	14 600
0 mm	kg	*3750	2350	3150	1900	2550	1550	2150	1250	*1250	1100	14 490
-1500 mm	kg	3750	2200	3050	1800	2500	1450	2100	1200	*1350	1100	14 230
-3000 mm	kg	3650	2100	2950	1700	2450	1400	2100	1200	*1500	1150	13 790
-4500 mm	kg	3600	2100	2900	1700	2450	1400			*1700	1250	13 170
-6000 mm	kg	3600	2100	2950	1700	2450	1450			*2000	1400	12 340
-7500 mm	kg	3650	2150	3000	1750					*2500	1650	11 240
-9000 mm	kg	*3150	2250							*2700	2050	9800



ISO 10567



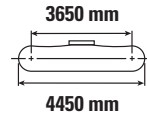
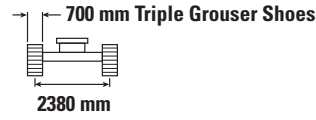
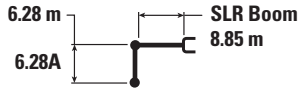
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

# 320 Hydraulic Excavator Specifications

Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6750	*6750	*5000	*5000	*4100	3650	*1150	*1150	14 550
1500 mm	kg					*6750	6500	*5900	4500	*4650	3300	*1200	1100	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*6650	4050	5050	3050	*1250	1100	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	6600	3750	4800	2850	*1350	1100	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	6450	3650	4700	2700	*1500	1150	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5450	6400	3600	4650	2650	*1700	1250	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5600	6450	3650	4650	2650	*2000	1400	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*8300	5750	*6450	3750	4700	2750	*2500	1650	11 240
-9000 mm	kg			*7950	*7950	*7050	6050	*5550	3950	*4500	2900	*3100	2050	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2350	*2350					*1200	*1200	11 660
9000 mm	kg			*2450	*2450	*2000	1950			*1150	*1150	12 660
7500 mm	kg			*2550	2500	*2500	1950			*1100	*1100	13 410
6000 mm	kg			*2700	2400	*2600	1900	*1850	1450	*1100	*1100	13 970
4500 mm	kg	*3150	3000	*2900	2300	*2750	1800	2300	1400	*1100	*1100	14 340
3000 mm	kg	*3500	2750	*3150	2150	2750	1700	2250	1350	*1150	*1150	14 550
1500 mm	kg	*3900	2550	3250	2000	2650	1600	2200	1300	*1200	1100	14 600
0 mm	kg	3900	2350	3150	1900	2550	1550	2150	1250	*1250	1100	14 490
-1500 mm	kg	3750	2200	3050	1800	2500	1450	2100	1200	*1350	1100	14 230
-3000 mm	kg	3650	2100	2950	1700	2450	1400	2100	1200	*1500	1150	13 790
-4500 mm	kg	3600	2100	2900	1700	2450	1400			*1700	1250	13 170
-6000 mm	kg	3600	2100	2950	1700	2450	1450			*2000	1400	12 340
-7500 mm	kg	3650	2150	3000	1750					*2500	1650	11 240
-9000 mm	kg	*3600	2250							*3100	2050	9800



ISO 10567



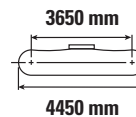
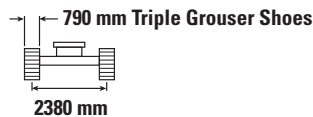
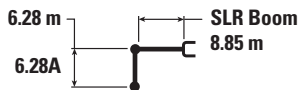
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

# 320 Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: Off



		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6050	*6050	*4450	*4450	*3650	*3650	*1150	*1150	14 550
1500 mm	kg					*6750	6550	*5250	4550	*4150	3350	*1200	1150	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*5900	4100	*4550	3100	*1250	1150	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	*6300	3850	*4850	2850	*1350	1150	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	*6450	3700	4750	2750	*1500	1200	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5550	*6400	3650	4700	2700	*1700	1250	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5650	*6200	3700	4700	2700	*2000	1400	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*7350	5850	*5700	3800	*4600	2800	*2500	1650	11 240
-9000 mm	kg			*7950	*7950	*6200	6150	*4900	4000	*3950	2950	*2700	2100	9800

		9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2200	*2200					*1200	*1200	11 660
9000 mm	kg			*2200	*2200	*2000	2000			*1150	*1150	12 660
7500 mm	kg			*2250	*2250	*2250	1950			*1100	*1100	13 410
6000 mm	kg			*2400	*2400	*2300	1900	*1850	1500	*1100	*1100	13 970
4500 mm	kg	*2800	*2800	*2600	2350	*2400	1850	*2300	1450	*1100	*1100	14 340
3000 mm	kg	*3150	2800	*2800	2200	*2550	1750	2300	1400	*1150	*1150	14 550
1500 mm	kg	*3450	2600	*3000	2050	*2700	1650	2250	1350	*1200	1150	14 600
0 mm	kg	*3750	2400	3200	1900	2600	1550	2200	1300	*1250	1150	14 490
-1500 mm	kg	3800	2250	3100	1800	2550	1500	2150	1250	*1350	1150	14 230
-3000 mm	kg	3700	2150	3000	1750	2500	1450	2100	1200	*1500	1200	13 790
-4500 mm	kg	3650	2100	2950	1700	2500	1450			*1700	1250	13 170
-6000 mm	kg	3650	2100	3000	1750	2500	1450			*2000	1400	12 340
-7500 mm	kg	3700	2200	3050	1800					*2500	1650	11 240
-9000 mm	kg	*3150	2300							*2700	2100	9800



ISO 10567



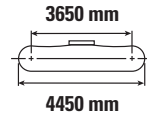
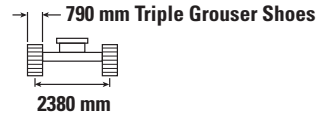
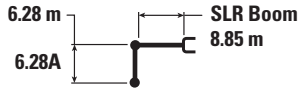
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

# 320 Hydraulic Excavator Specifications

Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6750	*6750	*5000	*5000	*4100	3700	*1150	*1150	14 550
1500 mm	kg					*6750	6550	*5900	4550	*4650	3350	*1200	1150	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*6650	4100	5100	3100	*1250	1150	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	6700	3850	4900	2850	*1350	1150	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	6550	3700	4750	2750	*1500	1200	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5550	6500	3650	4700	2700	*1700	1250	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5650	6550	3700	4700	2700	*2000	1400	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*8300	5850	*6450	3800	4800	2800	*2500	1650	11 240
-9000 mm	kg			*7950	*7950	*7050	6150	*5550	4000	*4500	2950	*3100	2100	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2350	*2350					*1200	*1200	11 660
9000 mm	kg			*2450	*2450	*2000	2000			*1150	*1150	12 660
7500 mm	kg			*2550	2550	*2500	1950			*1100	*1100	13 410
6000 mm	kg			*2700	2450	*2600	1900	*1850	1500	*1100	*1100	13 970
4500 mm	kg	*3150	3050	*2900	2350	*2750	1850	2350	1450	*1100	*1100	14 340
3000 mm	kg	*3500	2800	*3150	2200	2800	1750	2300	1400	*1150	*1150	14 550
1500 mm	kg	*3900	2600	3300	2050	2700	1650	2250	1350	*1200	1150	14 600
0 mm	kg	3950	2400	3200	1900	2600	1550	2200	1300	*1250	1150	14 490
-1500 mm	kg	3800	2250	3100	1800	2550	1500	2150	1250	*1350	1150	14 230
-3000 mm	kg	3700	2150	3000	1750	2500	1450	2100	1200	*1500	1200	13 790
-4500 mm	kg	3650	2100	2950	1700	2500	1450			*1700	1250	13 170
-6000 mm	kg	3650	2100	3000	1750	2500	1450			*2000	1400	12 340
-7500 mm	kg	3700	2200	3050	1800					*2500	1650	11 240
-9000 mm	kg	*3600	2300							*3100	2100	9800



ISO 10567



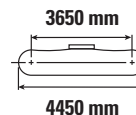
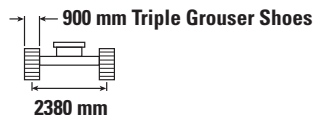
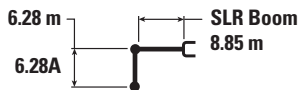
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

# 320 Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: Off



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6050	*6050	*4450	*4450	*3650	*3650	*1150	*1150	14 550
1500 mm	kg					*6750	*6750	*5250	4700	*4150	3500	*1200	*1200	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*5900	4250	*4550	3200	*1250	1200	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	*6300	4000	*4850	3000	*1350	1200	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	*6450	3850	4950	2900	*1500	1250	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5800	*6400	3850	4900	2850	*1700	1350	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5900	*6200	3850	4900	2850	*2000	1500	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*7350	6100	*5700	3950	*4600	2900	*2500	1750	11 240
-9000 mm	kg			*7950	*7950	*6200	*6200	*4900	4150	*3950	3050	*2700	2200	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2200	*2200					*1200	*1200	11 660
9000 mm	kg			*2200	*2200	*2000	*2000			*1150	*1150	12 660
7500 mm	kg			*2250	*2250	*2250	2050			*1100	*1100	13 410
6000 mm	kg			*2400	*2400	*2300	2000	*1850	1550	*1100	*1100	13 970
4500 mm	kg	*2800	*2800	*2600	2400	*2400	1900	*2300	1500	*1100	*1100	14 340
3000 mm	kg	*3150	2900	*2800	2300	*2550	1800	*2400	1450	*1150	*1150	14 550
1500 mm	kg	*3450	2700	*3000	2150	*2700	1700	2350	1400	*1200	*1200	14 600
0 mm	kg	*3750	2500	*3200	2000	2750	1650	2300	1350	*1250	1200	14 490
-1500 mm	kg	3950	2350	3200	1900	2650	1550	2250	1300	*1350	1200	14 230
-3000 mm	kg	3850	2250	3150	1850	2600	1500	2200	1300	*1500	1250	13 790
-4500 mm	kg	3800	2200	3100	1800	2600	1500			*1700	1350	13 170
-6000 mm	kg	3800	2200	3100	1800	2600	1550			*2000	1500	12 340
-7500 mm	kg	*3750	2300	*3050	1850					*2500	1750	11 240
-9000 mm	kg	*3150	2400							*2700	2200	9800



ISO 10567



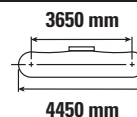
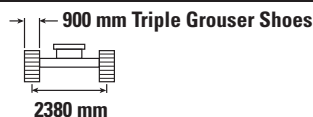
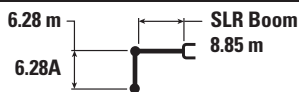
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

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

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

# 320 Hydraulic Excavator Specifications

Super Long Reach Boom Lift Capacities – Counterweight: 4.7 mt – without Bucket, Heavy Lift: On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
														mm
12 000 mm	kg											*1250	*1250	10 350
10 500 mm	kg											*1200	*1200	11 660
9000 mm	kg											*1150	*1150	12 660
7500 mm	kg											*1100	*1100	13 410
6000 mm	kg											*1100	*1100	13 970
4500 mm	kg											*1100	*1100	14 340
3000 mm	kg			*4700	*4700	*6750	*6750	*5000	*5000	*4100	3850	*1150	*1150	14 550
1500 mm	kg					*6750	*6750	*5900	4700	*4650	3500	*1200	*1200	14 600
0 mm	kg			*2000	*2000	*4650	*4650	*6650	4250	*5150	3200	*1250	1200	14 490
-1500 mm	kg	*2100	*2100	*2700	*2700	*4650	*4650	6950	4000	5100	3000	*1350	1200	14 230
-3000 mm	kg	*2850	*2850	*3550	*3550	*5200	*5200	6800	3850	4950	2900	*1500	1250	13 790
-4500 mm	kg	*3650	*3650	*4400	*4400	*6050	5800	6800	3850	4900	2850	*1700	1350	13 170
-6000 mm	kg	*4550	*4550	*5400	*5400	*7200	5900	6850	3850	4900	2850	*2000	1500	12 340
-7500 mm	kg	*5500	*5500	*6600	*6600	*8300	6100	*6450	3950	5000	2900	*2500	1750	11 240
-9000 mm	kg			*7950	*7950	*7050	6350	*5550	4150	*4500	3050	*3100	2200	9800

Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		mm		
												mm
12 000 mm	kg									*1250	*1250	10 350
10 500 mm	kg			*2350	*2350					*1200	*1200	11 660
9000 mm	kg			*2450	*2450	*2000	*2000			*1150	*1150	12 660
7500 mm	kg			*2550	*2550	*2500	2050			*1100	*1100	13 410
6000 mm	kg			*2700	2550	*2600	2000	*1850	1550	*1100	*1100	13 970
4500 mm	kg	*3150	3100	*2900	2400	*2750	1900	*2400	1500	*1100	*1100	14 340
3000 mm	kg	*3500	2900	*3150	2300	*2900	1800	2400	1450	*1150	*1150	14 550
1500 mm	kg	*3900	2700	*3400	2150	2800	1700	2350	1400	*1200	*1200	14 600
0 mm	kg	4100	2500	3300	2000	2750	1650	2300	1350	*1250	1200	14 490
-1500 mm	kg	3950	2350	3200	1900	2650	1550	2250	1300	*1350	1200	14 230
-3000 mm	kg	3850	2250	3150	1850	2600	1500	2200	1300	*1500	1250	13 790
-4500 mm	kg	3800	2200	3100	1800	2600	1500			*1700	1350	13 170
-6000 mm	kg	3800	2200	3100	1800	2600	1550			*2000	1500	12 340
-7500 mm	kg	3900	2300	3150	1850					*2500	1750	11 240
-9000 mm	kg	*3600	2400							*3100	2200	9800



ISO 10567



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

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

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

# 320 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – 320

	Linkage	Width mm	Capacity m <sup>3</sup>	Weight kg	Fill %	4.2 mt Counterweight				4.7 mt Counterweight
						Reach Boom		VA Boom		SLR Boom
						R2.5	R2.9	R2.5	R2.9	6.28A
<b>Pin-On (No Quick Coupler)</b>										
General Duty (GD)	B	600	0.46	551	100	●	●	●	●	
	B	750	0.64	622	100	●	●	●	●	
	B	900	0.81	668	100	●	●	●	●	
	B	1200	1.19	803	100	●	⊙	⊖	⊖	
	B	1300	1.30	835	100	⊙	⊖	⊖	○	
	B	1400	1.43	870	100	X	X	X	X	
Heavy Duty (HD)	B	1200	1.19	907	100	●	⊙	⊖	○	
	B	1300	1.30	962	100	⊙	⊖	○	○	
Severe Duty (SD)	B	1050	1.00	964	90	●	●	⊙	⊙	
Severe Duty (SDV)	B	1200	1.20	1001	90	●	⊙	⊖	⊖	
Ditch Cleaning (DC)	B	2000	1.22	869	100	⊙	⊙	⊖	○	
Ditch Cleaning – Tilt (DCT)	B	2000	1.23	1096	100	⊙	⊖	○	○	
General Duty (GD)	312	900	0.53	403	100					◇
Ditch Cleaning (DC) Long Reach	312	1200	0.57	386	100					◇
Maximum load with pin-on (payload + bucket)					kg	3235	3010	2705	2520	800
<b>With Cat Pin Grabber Coupler</b>										
Utility Duty (UD) (No Adjuster)	B	600	0.46	564	100	●	●	●	●	
	B	1000	0.93	735	100	●	●	⊙	⊖	
	B	1400	1.43	914	100	○	○	◇	◇	
General Duty (GD)	B	600	0.46	551	100	●	●	●	●	
	B	750	0.64	622	100	●	●	●	●	
	B	900	0.81	668	100	●	●	●	⊙	
	B	1200	1.19	803	100	⊙	⊖	○	◇	
	B	1300	1.30	835	100	⊖	○	○	◇	
	B	1400	1.43	870	100	○	○	◇	◇	
General Duty (GD) (No Adjuster)	B	600	0.46	546	100	●	●	●	●	
	B	750	0.64	617	100	●	●	●	●	
	B	1000	0.93	710	100	●	●	⊙	⊖	
	B	1200	1.19	799	100	⊙	⊖	○	◇	
	B	1400	1.43	866	100	○	○	◇	◇	
	B	1500	1.58	906	100	○	◇	◇	X	
Heavy Duty (HD)	B	1050	1.00	880	100	⊙	⊙	⊖	○	
	B	1200	1.19	907	100	⊖	⊖	○	◇	
	B	1300	1.30	962	100	⊖	○	◇	◇	
Severe Duty (SD)	B	1050	1.00	964	90	●	⊙	⊖	○	
Severe Duty (SDV)	B	1200	1.20	1001	90	⊙	⊖	○	◇	
Ditch Cleaning (DC)	B	2000	1.22	869	100	⊖	⊖	○	◇	
Ditch Cleaning – Tilt (DCT)	B	2000	1.23	1096	100	⊖	○	◇	X	
Maximum load with coupler (payload + bucket)					kg	2813	2588	2283	2098	

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- ◇ 900 kg/m<sup>3</sup>
- X Not Recommended

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

# 320 Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – 320

	Linkage	Width mm	Capacity m <sup>3</sup>	Weight kg	Fill %	4.2 mt Counterweight				4.7 mt Counterweight
						Reach Boom		VA Boom		SLR Boom
						R2.5	R2.9	R2.5	R2.9	6.28A
<b>With CW-40 Quick Coupler</b>										
General Duty (GD)	B	900	0.81	658	100	●	●	●	●	
	B	1050	1.00	704	100	●	●	⊙	⊖	
	B	1200	1.19	764	100	⊙	⊙	⊖	○	
	B	1300	1.30	804	100	⊖	⊖	○	○	
Heavy Duty (HD)	B	600	0.46	611	100	●	●	●	●	
	B	1200	1.19	877	100	⊙	⊖	○	○	
	B	1300	1.30	931	100	X	X	X	X	
Severe Duty (SD)	B	1200	1.20	985	90	⊙	⊖	○	○	
Ditch Cleaning (DC)	B	2100	1.29	793	100	⊙	⊖	○	○	
	B	2100	1.46	812	100	⊖	○	○	◇	
	B	1800	1.50	777	100	⊖	○	○	◇	
	B	1800	1.50	826	100	⊖	○	◇	◇	
	B	2100	1.76	867	100	○	◇	◇	X	
Ditch Cleaning – Tilt (DCT)	B	2000	1.23	1161	100	⊖	○	◇	◇	
Maximum load with coupler (payload + bucket)					kg	3034	2808	2499	2311	
<b>With CW-40S Quick Coupler</b>										
General Duty (GD)	B	600	0.46	503	100	●	●	●	●	
	B	750	0.64	588	100	●	●	●	●	
	B	900	0.81	655	100	●	●	●	●	
	B	1200	1.19	770	100	⊙	⊖	⊖	○	
	B	1300	1.30	801	100	⊖	⊖	○	○	
	B	1400	1.43	837	100	⊖	○	○	◇	
Heavy Duty (HD)	B	600	0.46	584	100	●	●	●	●	
	B	1200	1.19	874	100	⊙	⊖	○	○	
	B	1300	1.30	929	100	X	X	X	X	
Ditch Cleaning (DC)	B	2000	1.22	715	100	⊙	⊖	⊖	○	
	B	2200	1.36	769	100	⊖	⊖	○	◇	
Ditch Cleaning – Tilt (DCT)	B	2000	1.23	1142	100	⊖	○	◇	◇	
Maximum load with coupler (payload + bucket)					kg	3004	2779	2474	2289	

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

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- ◇ 900 kg/m<sup>3</sup>
- X Not Recommended

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



# 320 Hydraulic Excavator Specifications

## Work Tool Offering Guide\*

Boom Type		Reach Boom
Stick Size		R2.9
Undercarriage		Long/4.2 mt Counterweight
Quick Coupler	CW-40s	●
Buckets	General Duty	●
	General Duty, Leveling Edge	●
	General Duty, Skeleton	●
	Heavy Duty	●
	Heavy Duty, Skeleton	●
	Severe Duty	●
	Ditch Cleaning	●
	Tilting Ditch Cleaning	●
	Profile	●
	Profile, Adjustable	●
	Ripper	
Hydraulic Hammer	B20 (top mount)	●
	H115Es	●
Multi-Processor	MP318 CC Jaw	●
	MP318 D Jaw	●
	MP318 P Jaw	●
	MP318 U Jaw	●
	MP318 S Jaw	●
Crusher	P315	●
Pulverizer	P215	●
Demolition and Sorting Grapple	G315 GC	●
	G315B-D/R	●
	G315B-WH	●
Scrap and Demolition Shear	S320B	●
	S325B (boom mount)	●
	S2050 (boom mount)	●
Compactor (Vibratory Plate)	CVP110	●

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

● Match

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

# 320 Standard and Optional Equipment

## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>ENGINE</b>			<b>UNDERCARRIAGE AND STRUCTURES</b>		
Cat C4.4 ACERT Twin Turbo diesel engine	✓		Tie-down points on base frame (ISO 15818:2017 compliant)	✓	
Three selectable power modes	✓		Track guiding guard, segmented two pieces	✓	
One-touch low idle with automatic engine speed control	✓		Track guiding guard, full length		✓
Automatic engine idle shutdown	✓		Standard bottom guards	✓	
Work up to 3000 m above sea level without engine power de-rating	✓		HD bottom guards		✓
52° C high-ambient cooling capacity	✓		HD travel motor guards		✓
Cold starting capability for -32° C	✓		Standard swivel guard	✓	
Double element air filter with integrated precleaner	✓		Standard travel motor guards	✓	
Electric fuel priming pump	✓		Grease lubricated track links	✓	
Reversible electric cooling fans	✓		4.2 mt counterweight	✓	
Biodiesel capability up to B20	✓		4.7 mt counterweight for Super Long Reach		✓
<b>HYDRAULIC SYSTEM</b>			Semi-HD swing frame for C4.4 ACERT	✓	
Boom and stick regeneration circuits	✓		Standard swing bearing	✓	
Boom/stick lowering check valves (BLCV/SLCV)		✓	Standard base frame with HD track rollers and standard carrier rollers	✓	
Heavy lift configuration		✓	Final drive with bio oil travel motor	✓	
Electronic main control valve	✓		<b>BOOM, STICKS AND LINKAGES</b>		
Auto hydraulic oil warm up	✓		600 mm triple grouser track shoes	✓	
Automatic two-speed travel	✓		700 mm triple grouser track shoes		✓
Boom and stick drift reduction valve	✓		790 mm triple grouser track shoes		✓
Element type main hydraulic filter	✓		900 mm triple grouser track shoes		✓
Slider joysticks	✓		5.7 m Reach boom	✓	
Tandem type electronic main pump	✓		VA boom (2.8 m stub + 3.3 m fore)		✓
Hammer return filter circuit		✓	2.9 m stick	✓	
Combined flow/high pressure auxiliary circuit		✓	2.5 m stick		✓
Medium pressure auxiliary circuit		✓	Super Long Reach 8.85 m boom		✓
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓	Super Long Reach 6.28 m stick		✓
SmartBoom™		✓	Bucket linkage, B1-family with lifting eye	✓	
			Bucket linkage, A-family without lifting eye, SLR		✓
			Bucket linkage, B1-family with lifting eye		✓

(continued on next page)

## Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
<b>ELECTRICAL SYSTEM</b>			<b>SERVICE AND MAINTENANCE</b>		
1,000 CCA maintenance-free batteries (×2)	✓		Sampling ports for Scheduled Oil Sampling (S·O·S <sup>SM</sup> )	✓	
Centralized electrical disconnect switch	✓		Preventative Maintenance ready (QuickEvac <sup>TM</sup> )		✓
Programmable time-delay LED working lights	✓		Grouped location for engine oil and fuel filters	✓	
LED chassis light, LH and RH boom lights for Reach and SLR, cab lights – 850 lumens	✓		Ground level second dipstick for engine oil	✓	
LED chassis light, LH and RH boom lights for VAB, cab lights – 850 lumens		✓	Remote flash	✓	
<b>CAT CONNECT TECHNOLOGY</b>			<b>SAFETY AND SECURITY</b>		
Cat Product Link <sup>TM</sup>	✓		Rear and RH side view camera	✓	
Cat GRADE with 2D (not available on SLR)	✓		360° visibility		✓
Cat GRADE with Advanced 2D (not available on SLR)		✓	Neutral lever (lock out) for all controls	✓	
Cat GRADE with 3D (not available on SLR)		✓	Anti-skid plate and countersunk bolts on service platform	✓	
Cat Assist:	✓		Ground-level accessible secondary engine shutoff switch in cab	✓	
– Boom Assist			Radiator screen		✓
– Bucket Assist			Bluetooth <sup>®</sup> receiver	✓	
– Swing Assist			RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
– Grade Assist					
Cat Payload:	✓				
– Payload Information					
– Static Weigh					
– Auto Calibration					

# 320 Attachments

## Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

### CAB

- Radial lower wiper for 70/30 with washer
- LH/RH electrical pedal for tool control
- Rain protector plus cab light cover

### SAFETY AND SECURITY

- Bluetooth key fob

### ELECTRICAL

- Jump start wiring
- LED premium lighting package

### GUARDS

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

## Cab Options

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

● Standard

○ Optional

X Not available

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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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