

340F Long Reach

Hydraulic Excavator



Engine

Engine Model	Cat® C9.3 ACERT™
Power – ISO 9249 (metric)	228 kW (310 PS)
Power – ISO 14396 (metric)	234 kW (318 PS)

Drive

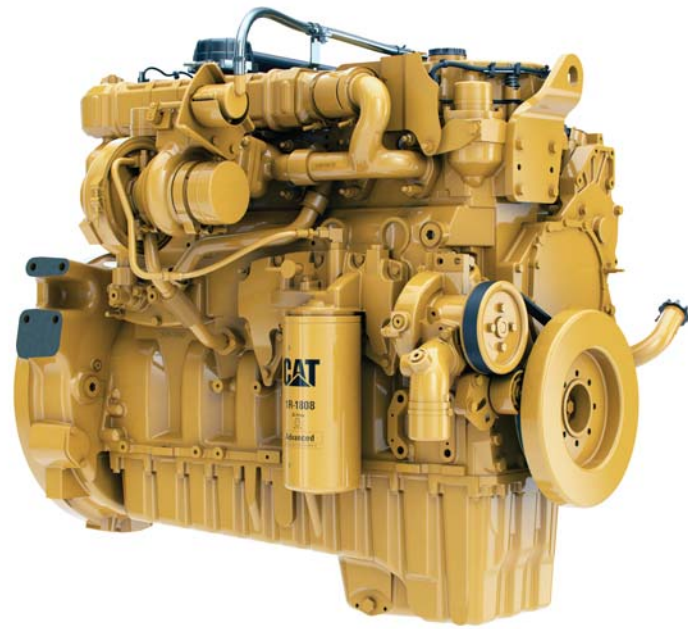
Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	291 kN

Weights

Maximum Weight	43 600 kg
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The Cat 340F Long Reach excavator is built to keep your production numbers up and your owning and operating costs down. Not only does the machine's C9.3 ACERT engine meet EU Stage IV emission standards, but it does so while giving you all the power, fuel efficiency, and reliability you need to succeed.

Where the real power comes in is through the hydraulic system. You can literally move tons of material all day long with a great deal of speed and precision. When you add in a quiet operator environment that keeps you comfortable and productive, ground-level service points that make your routine maintenance easy, and multiple Cat work tools that help you take on a variety of jobs, you simply won't find a better 40-ton machine.



Engine

- The C9.3 ACERT engine meets Stage IV emission standards.
- The emissions package works behind the scenes without interrupting your job.
- Engine speed control automatically lowers rpm when the machine doesn't need it to help save fuel.
- Two power modes – standard and eco – and automatic engine idle shutdown help you more actively manage fuel consumption.

Hydraulics

- SmartBoom™ technology reduces stress and vibrations transmitted to the machine during rock scraping, hammer work and truck loading resulting in greater productivity and fuel efficiency.
- Major hydraulic components are located close together so shorter tubes and lines can be used, leading to less friction loss, reduced pressure drops, and more power to the ground.
- The main control valve opens slowly when the range of joystick lever movement is small and opens rapidly when movement is high, putting flow where you need it when you need it for smoother operation and greater efficiency.
- Electric boom and stick regeneration keeps oil flow at the head and rod ends of the cylinders instead of returning to the tank, which results in less pressure loss for higher controllability, more productivity, and lower operating costs.
- Heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

Contents

Key Features	2
Specifications	4
Standard Equipment	21
Optional Equipment	22
Notes	23

Key Features

Benefits to help get your work done efficiently and effectively



Cab

- The full-size roll-over protective structure (ROPS) cab is both quiet and comfortable.
- The automatic climate control system maintains consistent cab temperature.
- Joysticks, armrests, and seats adjust to your preference.
- Seats include heated and cooled options.
- The LED monitor is programmable in 42 languages.
- A drink holder, storage areas, and auxiliary power outlets are in easy-to-reach areas.



Work Tools

- Multiple Cat Work Tools – designed specifically for Cat machines – are available for a wide range of applications.
- Cat quick couplers allow you to switch from one tool to another in a matter of minutes – all from the comfort and convenience of the cab.
- Cat tool control remembers pressures and flows for up to 10 tools so you can quickly get to work after each tool change.

Serviceability

- Routine maintenance items like grease points, fluid taps, filters, and drain tubes can be reached at ground level.
- Compartment doors are designed to prevent debris entry, and they securely latch in place to enhance ease of service.
- The side-by-side cooling system is efficient and easy to clean, and it is capable of being upgraded for high-ambient conditions.

Technology Options

- Product Link™/VisionLink® connects you to your machine, providing access to its location, hours, fuel consumption, idle time, events, and diagnostic codes.

Structures

- Long Reach boom and stick provide extra reach needed for truck loading, deep digging and trenching.
- The upper frame is built with special mounts to support the ROPS cab.
- The lower frame is reinforced to enhance component durability.
- Track shoes, links, rollers, idlers, and final drives built with high-tensile-strength steel.
- Grease-lubricated track link prevents dirt and debris from entering.
- The counterweight is bolted directly to the main frame for added rigidity.

340F Long Reach Hydraulic Excavator Specifications

Engine

Engine Model	Cat C9.3 ACERT
Gross Power – SAE J1995	238 kW (324 PS)
Power – ISO 9249 (metric)	228 kW (310 PS)
Power – ISO 14396 (metric)	234 kW (318 PS)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

Hydraulic System

Maximum Flow	
Main System	570 L/min
Swing System	279 L/min
Pilot System	150 L/min
Auxiliary Circuit – High Pressure	29 L/min
Auxiliary Circuit – Medium Pressure	4100 L/min
Maximum Pressure	
Equipment	35 000 kPa
Equipment (heavy lift)	38 000 kPa
Travel	35 000 kPa
Swing	28 000 kPa
Pilot System	4100 kPa
Boom Cylinder	
Bore	150 mm
Stroke	1440 mm
Stick Cylinder	
Bore	170 mm
Stroke	1738 mm
B1 Bucket Cylinder	
Bore	160 mm
Stroke	1356 mm

Drive

Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	291 kN

Track

Track Options	850 mm 700 mm 600 mm
Number of Shoes (each side)	49 pieces
Number of Track Rollers (each side)	9 pieces
Number of Carrier Rollers (each side)	2 pieces

Swing Mechanism

Swing Speed	8.8 rpm
Swing Torque	109 kN·m

Service Refill Capacities

Fuel Tank Capacity	620 L
Cooling System	43 L
Engine Oil (with filter)	32 L
Swing Drive (each)	19 L
Final Drive (each)	8 L
Hydraulic System (including tank)	380 L
Hydraulic Tank	175 L
DEF Tank	41 L

Sound Performance

Exterior Sound Power Level – ISO 6395:2008*	106 dB(A)
Operator Sound Pressure Level – ISO 6396:2008	73 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.
- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.

*as per European Union Directive 2000/14/EC as amended by 2005/88/EC

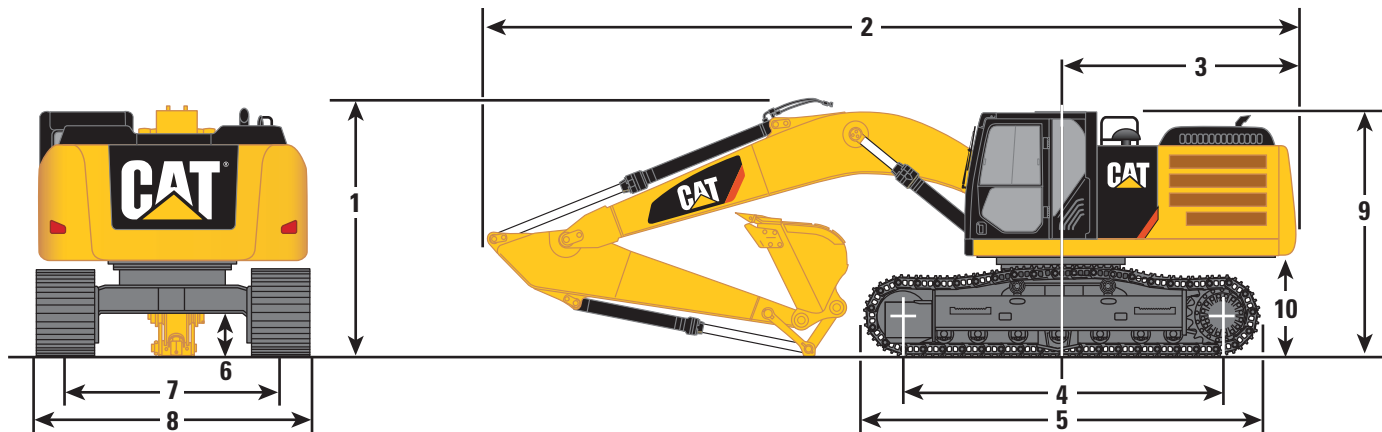
Standards

Brakes	ISO 10265:2008
Cab/FOGS	ISO 10262:1998
Cab/ROPS	ISO 12117-2:2008
DEF	ISO 22241-1:2006

340F Long Reach Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options

**LRE Boom
10.6 m**

Stick Options

**LRE Stick
7.1 m B1**

1 Shipping Height*	3560 mm
2 Shipping Length	15 280 mm
3 Tail Swing Radius	3460 mm
4 Length to Center of Rollers	4040 mm
5 Track Length	5020 mm
6 Ground Clearance*	720 mm
Ground Clearance**	690 mm
7 Track Gauge	2920 mm
8 Transport	
600 mm Shoes	3520 mm
700 mm Shoes	3620 mm
850 mm Shoes	3770 mm
9 Cab Height	3390 mm
Cab Height with Top Guard	3600 mm
10 Counterweight Clearance**	1450 mm
Bucket Type	GD
Bucket Capacity	0.93 m ³
Bucket Tip Radius	1573 mm

Dimensions may vary depending on bucket selection.

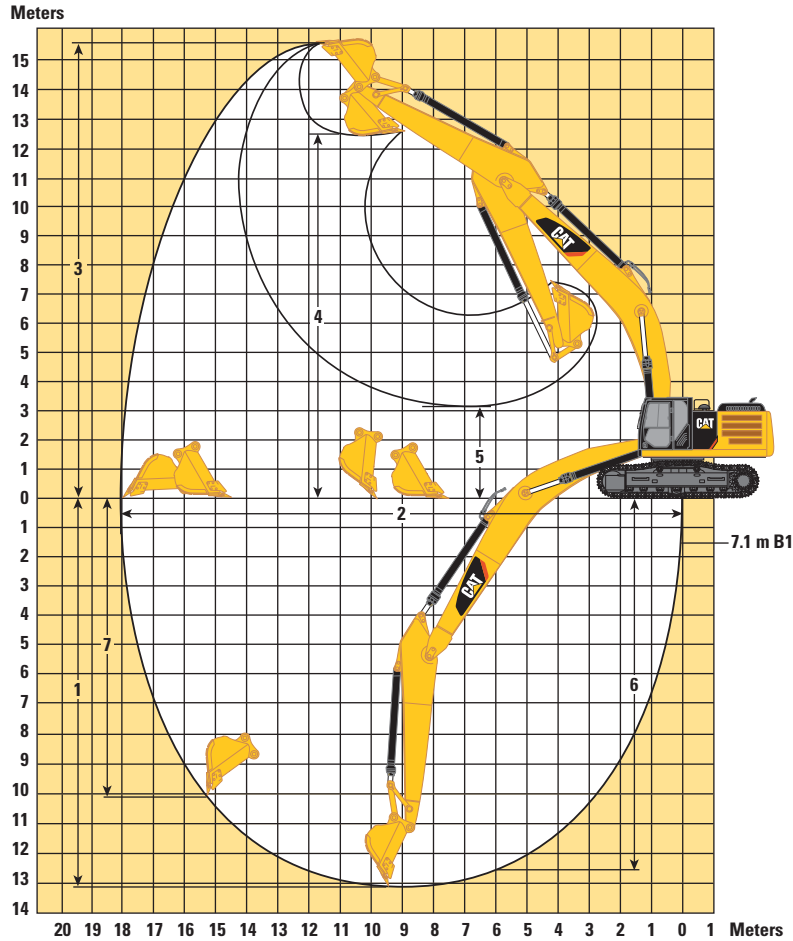
*Including shoe lug height

**Without shoe lug height

340F Long Reach Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom Options

**LRE Boom
10.6 m**

Stick Options

**LRE Stick
7.1 m B1**

1	Maximum Digging Depth	13 050 mm
2	Maximum Reach at Ground Level	18 080 mm
3	Maximum Cutting Height	15 620 mm
4	Maximum Loading Height	12 770 mm
5	Minimum Loading Height	3210 mm
6	Maximum Depth Cut for 2440 mm Level Bottom	12 550 mm
7	Maximum Vertical Wall Digging Depth	10 660 mm
Bucket Digging Force (ISO)		140.5 kN
Stick Digging Force (ISO)		92.3 kN
Bucket Type		GD
Bucket Capacity		0.93 m ³
Bucket Tip Radius		1573 mm

Dimensions may vary depending on bucket selection.

340F Long Reach Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

Boom	Stick	850 mm Shoes (Triple Grouser)		700 mm Shoes (Triple Grouser)		600 mm Shoes (Triple Grouser)	
		Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
		kg	kPa	kg	kPa	kg	kPa
LRE Boom							
10.6 m	LRE 7.1B1	43 600	57.3	42 700	68.2	43 000	80.1

Major Component Weights*

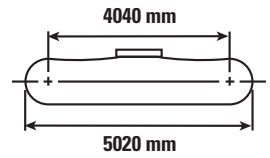
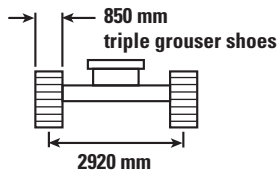
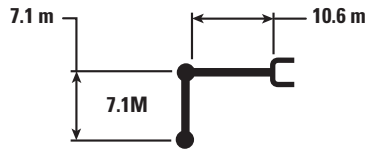
	kg
Base Machine (with boom cylinder, without counterweight, front linkage and track)	20 800
Counterweight	
8.45 mt	8500
Boom (includes lines, pins and stick cylinder)	
LRE Boom – 10.6 m	5200
Stick (includes lines, pins and bucket cylinder)	
LRE 7.1B1	2500
Track Shoe (per two tracks)	
850 mm Triple Grouser	5400
700 mm Triple Grouser	4300
600 mm Triple Grouser	4700
Bucket	
0.93 m ³	800

All weights are rounded up to nearest 10 kg except for buckets.

Base machine includes 75 kg operator weight, 90% fuel weight and undercarriage with center guard.

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – with Heavy Lift On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
13 500 mm	kg											*2850	*2850	12 260
12 000 mm	kg											*2750	*2750	13 500
10 500 mm	kg											*2700	*2700	14 470
9000 mm	kg											*2700	*2700	15 230
7500 mm	kg											*2700	*2700	15 810
6000 mm	kg											*2750	2700	16 230
4500 mm	kg					*12 150	*12 150	*8800	*8800	*7050	*7050	*2850	2550	16 500
3000 mm	kg					*7800	*7800	*10 100	*10 100	*7800	*7800	*3000	2450	16 640
1500 mm	kg					*5300	*5300	*11 000	10 400	*8400	7850	*3150	2350	16 630
0 mm	kg					*5500	*5500	*10 850	9650	*8850	7300	*3350	2350	16 490
-1500 mm	kg			*4450	*4450	*6500	*6500	*10 650	9300	*9050	6900	3500	2350	16 210
-3000 mm	kg			*5950	*5950	*7800	*7800	*11 350	9150	*9000	6700	3600	2400	15 780
-4500 mm	kg	*6650	*6650	*7450	*7450	*9300	*9300	*10 850	9150	*8750	6650	3800	2550	15 190
-6000 mm	kg			*9050	*9050	*11 050	*11 050	*10 150	9250	*8300	6650	*3850	2750	14 420
-7500 mm	kg			*10 750	*10 750	*11 250	*11 250	*9150	*9150	*7600	6800	*3850	3100	13 430
-9000 mm	kg					*9450	*9450	*7850	*7850	*6650	*6650	*3750	3650	12 190
-10 500 mm	kg							*6150	*6150	*5250	*5250	*3500	*3500	10 580



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.

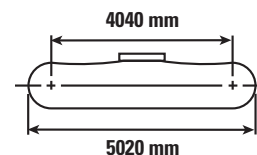
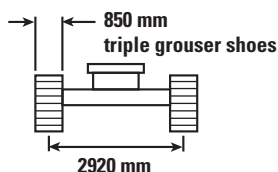
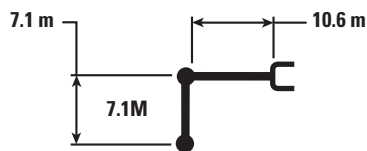
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

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340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – with Heavy Lift On



Reach Boom Length	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		15 000 mm		16 500 mm		mm		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567
13 500 mm	kg					*3200	*3200							*2850	*2850	12 260
12 000 mm	kg					*3900	*3900							*2750	*2750	13 500
10 500 mm	kg					*3950	*3950	*3750	*3750					*2700	*2700	14 470
9000 mm	kg					*4050	*4050	*3800	*3800	*3050	*3050			*2700	*2700	15 230
7500 mm	kg			*4550	*4550	*4200	*4200	*3900	*3900	*3700	3300			*2700	*2700	15 810
6000 mm	kg	*5400	*5400	*4800	*4800	*4400	*4400	*4050	3950	*3750	3200			*2750	2700	16 230
4500 mm	kg	*5900	*5900	*5150	*5150	*4600	*4600	*4200	3750	*3850	3100			*2850	2550	16 500
3000 mm	kg	*6400	*6400	*5500	5350	*4850	4350	*4350	3600	*3950	2950	*3300	2500	*3000	2450	16 640
1500 mm	kg	*6850	6200	*5800	5000	*5050	4100	*4500	3400	*4050	2850	*3450	2400	*3150	2350	16 630
0 mm	kg	*7150	5750	*6050	4700	*5200	3900	*4600	3250	4050	2750			*3350	2350	16 490
-1500 mm	kg	*7350	5450	*6200	4450	*5300	3700	4600	3100	3950	2650			3500	2350	16 210
-3000 mm	kg	*7400	5250	*6200	4300	5300	3600	4500	3050	3900	2600			3600	2400	15 780
-4500 mm	kg	*7250	5200	*6100	4200	5200	3500	4450	3000	3850	2600			3800	2550	15 190
-6000 mm	kg	*6950	5200	*5850	4200	*5000	3500	4300	3000					*3850	2750	14 420
-7500 mm	kg	*6400	5250	*5450	4250	*4600	3550							*3850	3100	13 430
-9000 mm	kg	*5600	5400	*4700	4400	*3850	3700							*3750	3650	12 190
-10 500 mm	kg	*4400	4400	*3550	3550									*3500	*3500	10 580



ISO 10567



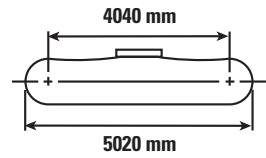
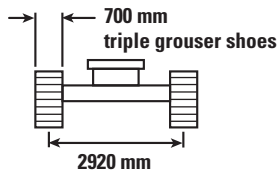
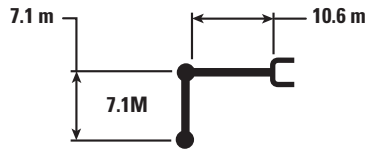
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – with Heavy Lift On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
13 500 mm	kg											*2850	*2850	12 260
12 000 mm	kg											*2750	*2750	13 500
10 500 mm	kg											*2700	*2700	14 470
9000 mm	kg											*2700	*2700	15 230
7500 mm	kg											*2700	*2700	15 810
6000 mm	kg											*2750	2650	16 230
4500 mm	kg					*12 150	*12 150	*8800	*8800	*7050	*7050	*2850	2500	16 500
3000 mm	kg					*7800	*7800	*10 100	*10 100	*7800	*7800	*3000	2350	16 640
1500 mm	kg					*5300	*5300	*11 000	10 150	*8400	7650	*3150	2300	16 630
0 mm	kg					*5500	*5500	*10 850	9400	*8850	7100	*3350	2250	16 490
-1500 mm	kg			*4450	*4450	*6500	*6500	*10 650	9000	*9050	6700	3400	2250	16 210
-3000 mm	kg			*5950	*5950	*7800	*7800	*11 350	8900	*9000	6500	3500	2350	15 780
-4500 mm	kg	*6650	*6650	*7450	*7450	*9300	*9300	*10 850	8900	*8750	6450	3700	2450	15 190
-6000 mm	kg			*9050	*9050	*11 050	*11 050	*10 150	9000	*8300	6500	*3850	2650	14 420
-7500 mm	kg			*10 750	*10 750	*11 250	*11 250	*9150	*9150	*7600	6600	*3850	3000	13 430
-9000 mm	kg					*9450	*9450	*7850	*7850	*6650	*6650	*3750	3550	12 190
-10 500 mm	kg							*6150	*6150	*5250	*5250	*3500	*3500	10 580



ISO 10567



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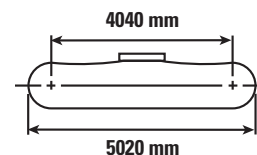
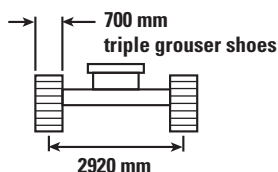
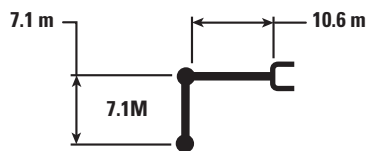
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340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – with Heavy Lift On



Reach Boom Length	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		15 000 mm		16 500 mm		mm		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
13 500 mm	kg					*3200	*3200							*2850	*2850	12 260
12 000 mm	kg					*3900	*3900							*2750	*2750	13 500
10 500 mm	kg					*3950	*3950	*3750	*3750					*2700	*2700	14 470
9000 mm	kg					*4050	*4050	*3800	*3800	*3050	*3050			*2700	*2700	15 230
7500 mm	kg			*4550	*4550	*4200	*4200	*3900	*3900	*3700	3250			*2700	*2700	15 810
6000 mm	kg	*5400	*5400	*4800	*4800	*4400	*4400	*4050	3850	*3750	3150			*2750	2650	16 230
4500 mm	kg	*5900	*5900	*5150	*5150	*4600	4500	*4200	3700	*3850	3000			*2850	2500	16 500
3000 mm	kg	*6400	*6400	*5500	5200	*4850	4250	*4350	3500	*3950	2900	*3300	2400	*3000	2350	16 640
1500 mm	kg	*6850	6000	*5800	4850	*5050	4000	*4500	3300	4050	2750	3450	2300	*3150	2300	16 630
0 mm	kg	*7150	5600	*6050	4550	*5200	3750	4600	3150	3900	2650			*3350	2250	16 490
-1500 mm	kg	*7350	5300	*6200	4300	5250	3600	4450	3000	3800	2550			3400	2250	16 210
-3000 mm	kg	*7400	5100	6150	4150	5150	3450	4350	2950	3750	2500			3500	2350	15 780
-4500 mm	kg	*7250	5000	6100	4100	5050	3400	4300	2900	3750	2500			3700	2450	15 190
-6000 mm	kg	*6950	5000	*5850	4050	*5000	3400	*4300	2900					*3850	2650	14 420
-7500 mm	kg	*6400	5100	*5450	4150	*4600	3450							*3850	3000	13 430
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ISO 10567



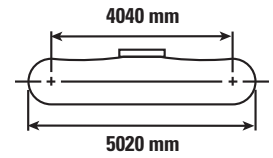
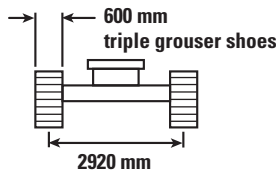
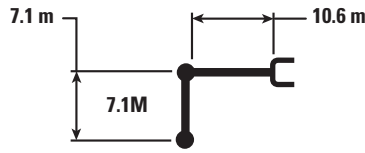
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13 500 mm	kg											*2850	*2850	12 260
12 000 mm	kg											*2750	*2750	13 500
10 500 mm	kg											*2700	*2700	14 470
9000 mm	kg											*2700	*2700	15 230
7500 mm	kg											*2700	*2700	15 810
6000 mm	kg											*2750	2600	16 230
4500 mm	kg					*12 150	*12 150	*8800	*8800	*7050	*7050	*2850	2450	16 500
3000 mm	kg					*7800	*7800	*10 100	*10 100	*7800	*7800	*3000	2350	16 640
1500 mm	kg					*5300	*5300	*11 000	10050	*8400	7600	*3150	2250	16 630
0 mm	kg					*5500	*5500	*10 850	9300	*8850	7000	3350	2250	16 490
-1500 mm	kg			*4450	*4450	*6500	*6500	*10 650	8950	*9050	6650	3350	2250	16 210
-3000 mm	kg			*5950	*5950	*7800	*7800	*11 350	8800	*9000	6450	3500	2300	15 780
-4500 mm	kg	*6650	*6650	*7450	*7450	*9300	*9300	*10 850	8800	*8750	6400	3650	2450	15 190
-6000 mm	kg			*9050	*9050	*11 050	*11 050	*10 150	8900	*8300	6400	*3850	2650	14 420
-7500 mm	kg			*10 750	*10 750	*11 250	*11 250	*9150	9100	*7600	6550	*3850	2950	13 430
-9000 mm	kg					*9450	*9450	*7850	*7850	*6650	*6650	*3750	3500	12 190
-10 500 mm	kg							*6150	*6150	*5250	*5250	*3500	*3500	10 580



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.

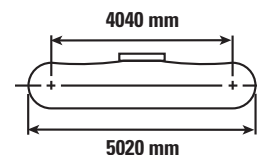
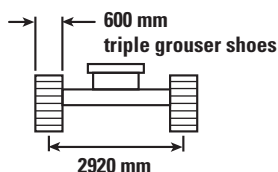
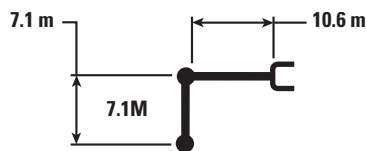
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

(continued on next page)

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – with Heavy Lift On



Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		15 000 mm		16 500 mm		mm		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	
13 500 mm	kg					*3200	*3200							*2850	*2850	12 260
12 000 mm	kg					*3900	*3900							*2750	*2750	13 500
10 500 mm	kg					*3950	*3950	*3750	*3750					*2700	*2700	14 470
9000 mm	kg					*4050	*4050	*3800	*3800	*3050	*3050			*2700	*2700	15 230
7500 mm	kg			*4550	*4550	*4200	*4200	*3900	*3900	*3700	3200			*2700	*2700	15 810
6000 mm	kg	*5400	*5400	*4800	*4800	*4400	*4400	*4050	3800	*3750	3100			*2750	2600	16 230
4500 mm	kg	*5900	*5900	*5150	*5150	*4600	4450	*4200	3650	*3850	3000			*2850	2450	16 500
3000 mm	kg	*6400	*6400	*5500	5200	*4850	4200	*4350	3450	*3950	2850	*3300	2350	*3000	2350	16 640
1500 mm	kg	*6850	5950	*5800	4800	*5050	3950	*4500	3300	4000	2750	3400	2300	*3150	2250	16 630
0 mm	kg	*7150	5550	*6050	4500	*5200	3750	4550	3100	3850	2650			3350	2250	16 490
-1500 mm	kg	*7350	5250	*6200	4300	5200	3550	4400	3000	3800	2550			3350	2250	16 210
-3000 mm	kg	*7400	5050	6100	4100	5100	3450	4300	2900	3750	2500			3500	2300	15 780
-4500 mm	kg	*7250	4950	6000	4050	5000	3350	4300	2850	3700	2450			3650	2450	15 190
-6000 mm	kg	*6950	4950	*5850	4000	*5000	3350	*4300	2850					*3850	2650	14 420
-7500 mm	kg	*6400	5050	*5450	4100	*4600	3400							*3850	2950	13 430
-9000 mm	kg	*5600	5200	*4700	4250	*3850	3550							*3750	3500	12 190
-10 500 mm	kg	*4400	*4400	*3550	*3550									*3500	*3500	10 580



ISO 10567



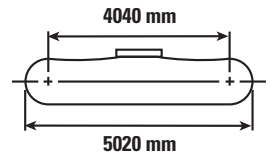
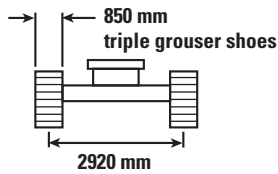
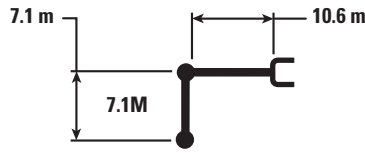
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 $\pm 5\%$ for all available track shoes.

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

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – without Heavy Lift On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
13 500 mm	kg											*2600	*2600	12 260
12 000 mm	kg											*2500	*2500	13 500
10 500 mm	kg											*2450	*2450	14 470
9000 mm	kg											*2400	*2400	15 230
7500 mm	kg											*2450	*2450	15 810
6000 mm	kg											*2500	*2500	16 230
4500 mm	kg					*10 800	*10 800	*7850	*7850	*6200	*6200	*2550	2550	16 500
3000 mm	kg					*7350	*7350	*8900	*8900	*6850	*6850	*2700	2450	16 640
1500 mm	kg					*4950	*4950	*9650	*9650	*7400	*7400	*2850	2350	16 630
0 mm	kg					*5150	*5150	*10 050	9650	*7750	7300	*3050	2350	16 490
-1500 mm	kg			*4200	*4200	*6100	*6100	*10 050	9300	*7900	6900	*3200	2350	16 210
-3000 mm	kg			*5600	*5600	*7350	*7350	*9850	9150	*7850	6700	*3250	2400	15 780
-4500 mm	kg	*6250	*6250	*7000	*7000	*8750	*8750	*9450	9150	*7600	6650	*3250	2550	15 190
-6000 mm	kg			*8500	*8500	*10 400	*10 400	*8800	*8800	*7200	6650	*3250	2750	14 420
-7500 mm	kg			*10 150	*10 150	*9700	*9700	*7900	*7900	*6550	*6550	*3250	3100	13 430
-9000 mm	kg					*8050	*8050	*6700	*6700	*5650	*5650	*3150	*3150	12 190
-10 500 mm	kg							*5150	*5150	*4400	*4400	*2900	*2900	10 580



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.

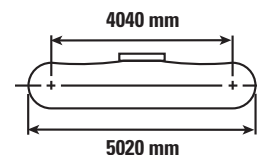
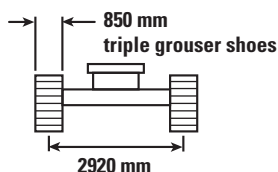
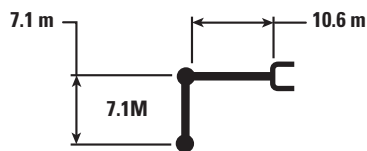
Lift capacity stays with ±5% for all available track shoes.

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

(continued on next page)

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – without Heavy Lift On



Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		15 000 mm		mm		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
13 500 mm	kg					*2850	*2850					*2600	*2600	12 260
12 000 mm	kg					*3450	*3450					*2500	*2500	13 500
10 500 mm	kg					*3450	*3450	*3300	*3300			*2450	*2450	14 470
9000 mm	kg					*3550	*3550	*3350	*3350	*2750	*2750	*2400	*2400	15 230
7500 mm	kg			*4000	*4000	*3650	*3650	*3400	*3400	*3200	*3200	*2450	*2450	15 810
6000 mm	kg	*4800	*4800	*4250	*4250	*3850	*3850	*3500	*3500	*3250	3200	*2500	*2500	16 230
4500 mm	kg	*5200	*5200	*4500	*4500	*4000	*4000	*3650	*3650	*3350	3100	*2550	2550	16 500
3000 mm	kg	*5600	*5600	*4800	*4800	*4200	*4200	*3750	3600	*3400	2950	*2700	2450	16 640
1500 mm	kg	*6000	*6000	*5050	5000	*4400	4100	*3900	3400	*3500	2850	*2850	2350	16 630
0 mm	kg	*6250	5750	*5250	4700	*4500	3900	*3950	3250	*3550	2750	*3050	2350	16 490
-1500 mm	kg	*6400	5450	*5350	4450	*4600	3700	*4000	3100	*3550	2650	*3200	2350	16 210
-3000 mm	kg	*6400	5250	*5400	4300	*4600	3600	*4000	3050	*3500	2600	*3250	2400	15 780
-4500 mm	kg	*6300	5200	*5300	4200	*4500	3500	*3900	3000	*3350	2600	*3250	2550	15 190
-6000 mm	kg	*6000	5200	*5050	4200	*4300	3500	*3650	3000			*3250	2750	14 420
-7500 mm	kg	*5500	5250	*4650	4250	*3900	3550					*3250	3100	13 430
-9000 mm	kg	*4800	*4800	*4000	*4000	*3250	*3250					*3150	*3150	12 190
-10 500 mm	kg	*3700	*3700	*2950	*2950							*2900	*2900	10 580



ISO 10567



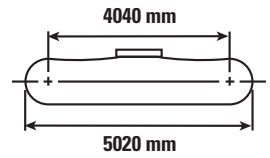
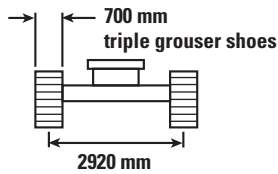
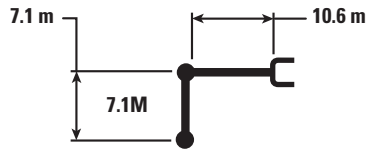
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 $\pm 5\%$ for all available track shoes.

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

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – without Heavy Lift On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
13 500 mm	kg											*2600	*2600	12 260
12 000 mm	kg											*2500	*2500	13 500
10 500 mm	kg											*2450	*2450	14 470
9000 mm	kg											*2400	*2400	15 230
7500 mm	kg											*2450	*2450	15 810
6000 mm	kg											*2500	*2500	16 230
4500 mm	kg					*10 800	*10 800	*7850	*7850	*6200	*6200	*2550	2500	16 500
3000 mm	kg					*7350	*7350	*8900	*8900	*6850	*6850	*2700	2350	16 640
1500 mm	kg					*4950	*4950	*9650	*9650	*7400	*7400	*2850	2300	16 630
0 mm	kg					*5150	*5150	*10 050	9400	*7750	7100	*3050	2250	16 490
-1500 mm	kg			*4200	*4200	*6100	*6100	*10 050	9000	*7900	6700	*3200	2250	16 210
-3000 mm	kg			*5600	*5600	*7350	*7350	*9850	8900	*7850	6500	*3250	2350	15 780
-4500 mm	kg	*6250	*6250	*7000	*7000	*8750	*8750	*9450	8900	*7600	6450	*3250	2450	15 190
-6000 mm	kg			*8500	*8500	*10 400	*10 400	*8800	*8800	*7200	6500	*3250	2650	14 420
-7500 mm	kg			*10 150	*10 150	*9700	*9700	*7900	*7900	*6550	*6550	*3250	3000	13 430
-9000 mm	kg					*8050	*8050	*6700	*6700	*5650	*5650	*3150	*3150	12 190
-10 500 mm	kg							*5150	*5150	*4400	*4400	*2900	*2900	10 580



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.

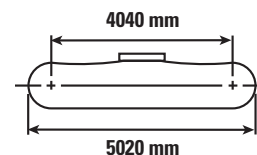
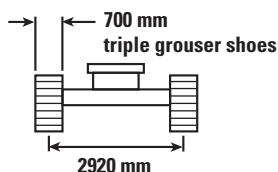
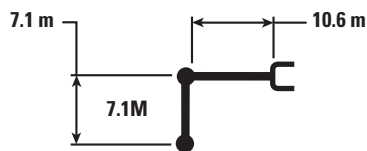
Lift capacity stays with ±5% for all available track shoes.

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

(continued on next page)

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – without Heavy Lift On



Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		15 000 mm		mm		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
13 500 mm	kg					*2850	*2850					*2600	*2600	12 260
12 000 mm	kg					*3450	*3450					*2500	*2500	13 500
10 500 mm	kg					*3450	*3450	*3300	*3300			*2450	*2450	14 470
9000 mm	kg					*3550	*3550	*3350	*3350	*2750	*2750	*2400	*2400	15 230
7500 mm	kg			*4000	*4000	*3650	*3650	*3400	*3400	*3200	*3200	*2450	*2450	15 810
6000 mm	kg	*4800	*4800	*4250	*4250	*3850	*3850	*3500	*3500	*3250	3150	*2500	*2500	16 230
4500 mm	kg	*5200	*5200	*4500	*4500	*4000	*4000	*3650	*3650	*3350	3000	*2550	2500	16 500
3000 mm	kg	*5600	*5600	*4800	*4800	*4200	*4200	*3750	3500	*3400	2900	*2700	2350	16 640
1500 mm	kg	*6000	*6000	*5050	4850	*4400	4000	*3900	3300	*3500	2750	*2850	2300	16 630
0 mm	kg	*6250	5600	*5250	4550	*4500	3750	*3950	3150	*3550	2650	*3050	2250	16 490
-1500 mm	kg	*6400	5300	*5350	4300	*4600	3600	*4000	3000	*3550	2550	*3200	2250	16 210
-3000 mm	kg	*6400	5100	*5400	4150	*4600	3450	*4000	2950	*3500	2500	*3250	2350	15 780
-4500 mm	kg	*6300	5000	*5300	4100	*4500	3400	*3900	2900	*3350	2500	*3250	2450	15 190
-6000 mm	kg	*6000	5000	*5050	4050	*4300	3400	*3650	2900			*3250	2650	14 420
-7500 mm	kg	*5500	5100	*4650	4150	*3900	3450					*3250	3000	13 430
-9000 mm	kg	*4800	*4800	*4000	*4000	*3250	*3250					*3150	*3150	12 190
-10 500 mm	kg	*3700	*3700	*2950	*2950							*2900	*2900	10 580



ISO 10567



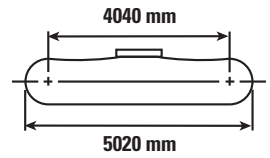
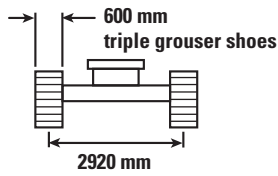
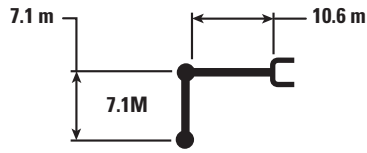
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 $\pm 5\%$ for all available track shoes.

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

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – without Heavy Lift On



Reach (mm)	Unit	1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	
13 500 mm	kg											*2600	*2600	12 260
12 000 mm	kg											*2500	*2500	13 500
10 500 mm	kg											*2450	*2450	14 470
9000 mm	kg											*2400	*2400	15 230
7500 mm	kg											*2450	*2450	15 810
6000 mm	kg											*2500	*2500	16 230
4500 mm	kg					*10 800	*10 800	*7850	*7850	*6200	*6200	*2550	2450	16 500
3000 mm	kg					*7350	*7350	*8900	*8900	*6850	*6850	*2700	2350	16 640
1500 mm	kg					*4950	*4950	*9650	*9650	*7400	*7400	*2850	2250	16 630
0 mm	kg					*5150	*5150	*10 050	9300	*7750	7000	*3050	2250	16 490
-1500 mm	kg			*4200	*4200	*6100	*6100	*10 050	8950	*7900	6650	*3200	2250	16 210
-3000 mm	kg			*5600	*5600	*7350	*7350	*9850	8800	*7850	6450	*3250	2300	15 780
-4500 mm	kg	*6250	*6250	*7000	*7000	*8750	*8750	*9450	8800	*7600	6400	*3250	2450	15 190
-6000 mm	kg			*8500	*8500	*10 400	*10 400	*8800	*8800	*7200	6400	*3250	2650	14 420
-7500 mm	kg			*10 150	*10 150	*9700	*9700	*7900	*7900	*6550	6550	*3250	2950	13 430
-9000 mm	kg					*8050	*8050	*6700	*6700	*5650	*5650	*3150	*3150	12 190
-10 500 mm	kg							*5150	*5150	*4400	*4400	*2900	*2900	10 580



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.

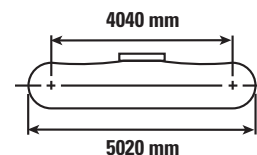
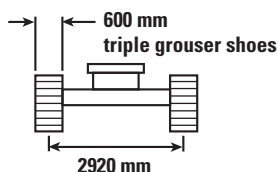
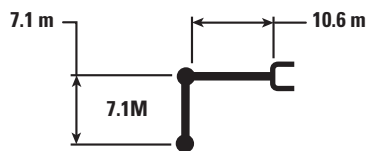
Lift capacity stays with ±5% for all available track shoes.

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

(continued on next page)

340F Long Reach Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.5 mt – without Bucket – without Heavy Lift On



Reach (mm)	Unit	9000 mm		10 500 mm		12 000 mm		13 500 mm		15 000 mm		mm		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
13 500 mm	kg					*2850	*2850					*2600	*2600	12 260
12 000 mm	kg					*3450	*3450					*2500	*2500	13 500
10 500 mm	kg					*3450	*3450	*3300	*3300			*2450	*2450	14 470
9000 mm	kg					*3550	*3550	*3350	*3350	*2750	*2750	*2400	*2400	15 230
7500 mm	kg			*4000	*4000	*3650	*3650	*3400	*3400	*3200	*3200	*2450	*2450	15 810
6000 mm	kg	*4800	*4800	*4250	*4250	*3850	*3850	*3500	*3500	*3250	3100	*2500	*2500	16 230
4500 mm	kg	*5200	*5200	*4500	*4500	*4000	*4000	*3650	*3650	*3350	3000	*2550	2450	16 500
3000 mm	kg	*5600	*5600	*4800	*4800	*4200	*4200	*3750	3450	*3400	2850	*2700	2350	16 640
1500 mm	kg	*6000	5950	*5050	4800	*4400	3950	*3900	3300	*3500	2750	*2850	2250	16 630
0 mm	kg	*6250	5550	*5250	4500	*4500	3750	*3950	3100	*3550	2650	*3050	2250	16 490
-1500 mm	kg	*6400	5250	*5350	4300	*4600	3550	*4000	3000	*3550	2550	*3200	2250	16 210
-3000 mm	kg	*6400	5050	*5400	4100	*4600	3450	*4000	2900	*3500	2500	*3250	2300	15 780
-4500 mm	kg	*6300	4950	*5300	4050	*4500	3350	*3900	2850	*3350	2450	*3250	2450	15 190
-6000 mm	kg	*6000	4950	*5050	4000	*4300	3350	*3650	2850			*3250	2650	14 420
-7500 mm	kg	*5500	5050	*4650	4100	*3900	3400					*3250	2950	13 430
-9000 mm	kg	*4800	*4800	*4000	*4000	*3250	3250					*3150	*3150	12 190
-10 500 mm	kg	*3700	*3700	*2950	*2950							*2900	*2900	10 580



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 $\pm 5\%$ for all available track shoes.

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

340F Long Reach Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

						340F Long Reach
Counterweight						8.45 mt
Tracks						850 mm Triple Grouser
	Linkage	Width	Capacity	Weight	Fill	LRE Boom
		mm	m ³	kg	%	10.6 m
Without Quick Coupler						
Ditch Cleaning (DC)	B	1800	1.24	740	100	◇
	B	2010	1.18	800	100	◇
Ditch Cleaning Tilt (DCT)	B	2010	0.98	1073	100	◇
General Duty (GD)	B	1050	1.00	729	100	○
Maximum load pin-on (payload + bucket)					kg	2001
With Quick Coupler (CW40, CW40s)						
Ditch Cleaning (DC)	B	1800	1.50	777	100	◇
General Duty (GD)	B	900	0.81	653	100	○
Maximum load with coupler (payload + bucket)					kg	1749

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

Maximum Material Density:

- 1200 kg/m³
- ◇ 900 kg/m³

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

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

Standard Equipment

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

ENGINE

- Cat C9.3 ACERT diesel engine
- Biodiesel capable, up to B20
- Stage IV emission package
- 2300 m altitude capability with no derate
- Electric priming pump
- Automatic engine speed control
- Economy and standard power modes
- Water separator in fuel line including water level sensor and indicator
- Air cleaner
- Radial seal air filter
- Side-by-side cooling system
- Primary filter with water separator and water separator indicator switch
- Starting kit, cold weather, -18° C
- Fuel differential indicator switch in fuel line
- Water level indicator for water separator

HYDRAULIC SYSTEM

- Boom and stick lowering control devices with SmartBoom
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Regeneration circuit for boom and stick
- Capability of installing additional auxiliary circuits

COUNTERWEIGHT

- 8.45 mt

CAB

- Parallel wiper and washer
- Mirrors
- Pressurized operator station with positive filtration
- Laminated glass front upper window and tempered other windows
- Sliding upper door window (left-hand cab door)
- Openable skylight

- Interior:
 - Glass-breaking safety hammer
 - Coat hook
 - Beverage holder
 - Literature holder
 - Interior lighting
 - AM/FM radio mounting (DIN size)
 - Two 12V stereo speakers
 - Storage shelf suitable for lunch or toolbox
 - Power supply with 12V, two power outlets (10 amp)
 - Thumbwheel modulation joystick for use with combined auxiliary control
 - Sunscreen
 - Air conditioner, heater and defroster with climate control
- Seat:
 - Seat belt, 51 mm
 - Adjustable armrest
 - Height adjustable joystick consoles
 - Neutral lever (lock out) for all controls
 - Travel control pedals with removable hand levers
 - Capability of installing two additional pedals
 - Two speed travel
 - Floor mat, washable
- Monitor:
 - Clock
 - Video ready
 - Color LCD display with warning, filter/fluid change, and working hour information
 - Language display (full graphic and full color display)
 - Machine condition, error code and tool mode setting information
 - Start-up level check for engine oil, engine coolant and hydraulic oil
 - Warning, filter/fluid change and working hour information
 - Fuel consumption meter

UNDERCARRIAGE

- Long and heavy-duty high wide undercarriage
- Grease Lubricated Track with PPR2
- Heavy-duty track roller and idler
- Towing eye on base frame
- HD bottom guard
- HD travel motor guard
- Heavy-duty bottom guard

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Battery, standard

LIGHTS

- Cab and boom lights with time delay
- Exterior lights integrated into storage box

SAFETY AND SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Mirrors
- Rear vision camera
- Capability to connect a beacon
- Bolt on FOGS capability
- Safety hammer for breaking cab glass

INTEGRATED TECHNOLOGIES

- Product Link
- Rear vision camera

340F Long Reach Optional Equipment

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

FRONT LINKAGE

- Bucket linkage:
 - TB family (with lifting eye)

TRACK

- 850 mm Triple Grouser
- 700 mm Triple Grouser
- 600 mm Triple Grouser HD

GUARDS

- FOGS (Falling Object Guard System) including overhead and windshield guards
- Track guiding guards:
 - Full length
 - Center section

LIGHTS

- Cab working lights, halogen
- Cab working lights, HID
- Boom working lights, halogen
- Boom working lights, HID

CAB

- Cab front rain protector
- Seat:
 - Adjustable high back, heated and ventilated seat with air suspension
- Windshield:
 - 70-30 split, sliding
 - One-piece, fixed

HYDRAULIC SYSTEM

- Boom and stick lowering control devices with SmartBoom
- HP hydraulic lines for boom and stick
- MP hydraulic lines for boom and stick
- QC hydraulic lines for boom and stick
- QC Control
- Up to B20 Bio hydraulic oil

ELECTRICAL

- Cold weather starting package, 240V, –32° C
- Electric refueling pump

ENGINE

- Quick drains, engine and hydraulic oil (QuickEvac™)
- Fast fill port for fuel

SECURITY

- FOGS, bolt-on

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

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