

352F LRE

Hydraulic Excavator



Engine

Engine Model	Cat® C13 ACERT™	
Net Power – ISO 9249	304 kW	408 hp
Engine Power – ISO 14396	317 kW	425 hp

Working Range

Maximum Reach at Ground Level	19 640 mm	64'5"
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Drive

Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	330 kN	74,200 lbf

Weights

Maximum Weight	59 400 kg	130,954 lb
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Introduction

The Cat 352F LRE machine is built to keep your production numbers up and your owning and operating costs down. The real power comes from the enhanced hydraulic system, which allows you to 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, 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 long reach excavation machine.

Contents

Key Features	2
Specifications	4
Standard Equipment	12
Optional Equipment	13
Notes	14



Performance

- The C13 ACERT engine meets U.S. EPA Tier 4 Final and EU Stage IV emission standards.
- Automatic engine speed control lowers rpm based on load for reduced fuel consumption.
- Power modes help you more actively manage fuel consumption.

Durable Structures

- The boom and stick are built with internal baffle plates and are stress relieved for added durability; each undergoes ultrasound inspection to ensure quality and reliability.
- Front linkage pins have thick chrome plating, giving them high wear resistance even under water.
- Heavy-duty wide undercarriage provides a stable, rugged platform for long reach digging and loading applications.
- Track shoes, links, rollers, idlers, and final drives are built with high-tensile strength steel.
- Grease-lubricated track link protects moving parts by keeping water, debris, and dust out and grease sealed in to deliver longer wear life and reduced noise when traveling.
- Optional guide guards help maintain track alignment to improve the machine's overall performance – whether you're traveling on a flat, heavy bed of rock or a steep, wet field of mud.

Maintenance

- Routine maintenance items like grease points and fluid taps are easy to reach at ground level.
- The side-by-side cooling system enables easy cleaning.
- Multiple S-O-SSM ports and pressure diagnostic taps help prevent maintenance downtime.

Key Features

Built-in benefits and available options



Comfort

- The full-size cab is quiet and comfortable.
- Seats are adjustable and feature air suspension and heated and cooled options.
- The LCD monitor is easy to navigate and programmable in 44 languages.

Versatility

- Exclusive Cat attachments allow you to take on a variety of work – quickly and efficiently.
- A Cat coupler lets you swap between attachments in seconds without leaving the cab.
- Optional Tool Control remembers pressures and flows for up to 20 tools to enhance uptime.

Safety

- Smart refuel fills the machine quickly from an external fuel source; it automatically stops when the fuel tank is full or the fuel source is empty.
- The rearview and sideview cameras enhance visibility to help make operators more efficient.
- Anti-skid plates reduce slipping hazards in all types of weather conditions.

352F LRE Hydraulic Excavator Specifications

Engine

Engine Model	Cat C13 ACERT	
Gross Power – SAE J1995	322 kW	432 hp
Engine Power – ISO 14396	317 kW	425 hp
Net Power – ISO 9249	304 kW	408 hp
Bore	130 mm	5.1 in
Stroke	157 mm	6.2 in
Displacement	12.5 L	763 in ³

Hydraulic System

Main System – Maximum Flow (total)	770 L/min	203 gal/min
Swing System – Maximum Flow	385 L/min	102 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Equipment (Lift mode)	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	27 500 kPa	3,989 psi
Auxiliary Circuit – High Pressure	300 L/min	79 gal/min
Auxiliary Circuit – Medium Pressure	45 L/min	12 gal/min
Pilot System – Maximum Flow	27 L/min	7 gal/min
Pilot System – Maximum Pressure	4120 kPa	598 psi
Boom Cylinder – Bore	170 mm	6.7 in
Boom Cylinder – Stroke	3748 mm	147.6 in
Stick Cylinder – Bore	190 mm	7.5 in
Stick Cylinder – Stroke	4306 mm	169.5 in
B1 Bucket Cylinder – Bore	120 mm	4.7 in
B1 Bucket Cylinder – Stroke	2788 mm	109.8 in

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes.

Drive

Maximum Travel Speed	4.7 km/h	2.91 mph
Maximum Drawbar Pull	330 kN	74,200 lbf

Swing

Swing Speed	8.7 rpm	
Maximum Swing Torque	187 kN·m	137,924 lbf·ft

Service Refill Capacities

Fuel Tank Capacity	720 L	190 gal
Cooling System	50 L	13.2 gal
Engine Oil (with filter)	38 L	10 gal
Swing Drive (each)	10 L	2.6 gal
Final Drive (each)	15 L	4 gal
Hydraulic System (including tank)	570 L	151 gal
Hydraulic Tank	407 L	108 gal
DEF Tank	41 L	11 gal

Track

Number of Shoes (each side)	52 pieces
Number of Track Rollers (each side)	9 pieces
Number of Carrier Rollers (each side)	3 pieces

Sound

Exterior Sound Power Level – ISO 6395:2008*	106 dB(A)
Operator Sound Pressure Level – ISO 6396:2008	69 dB(A)

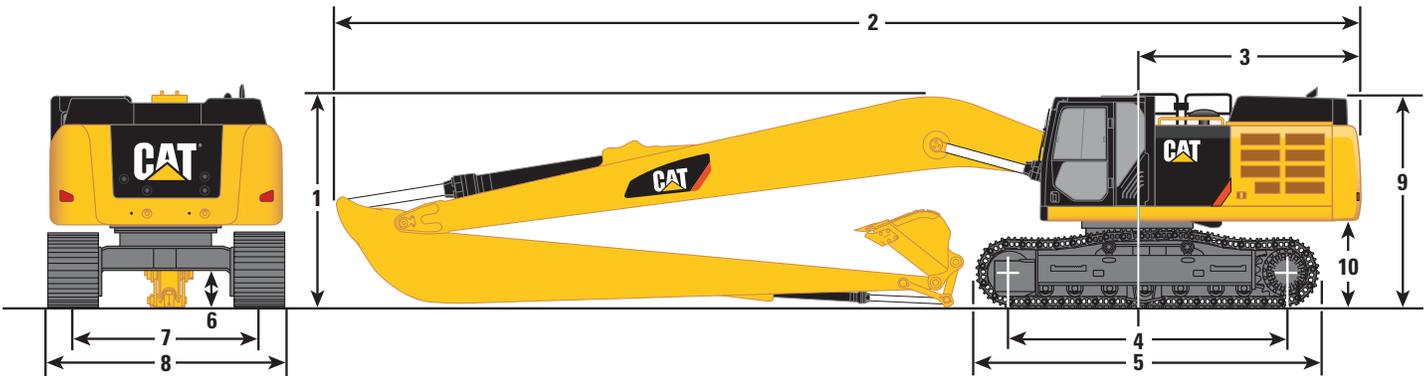
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

* As per European Union Directive 200/14/EC as amended by 2005/88/EC.

352F LRE Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Option

LRE Boom
11.5 m (37'9")

Stick Option

LRE Stick
8.5 m (27'11")

1 Shipping Height*	3740 mm	12'3"
2 Shipping Length	16 460 mm	54'0"
3 Tail Swing Radius	3760 mm	12'4"
4 Length to Center of Rollers	4340 mm	14'3"
5 Track Length	5380 mm	17'8"
6 Ground Clearance, including Shoe Lug Height	710 mm	2'4"
Ground Clearance, not including Shoe Lug Height	740 mm	2'5"
7 Track Gauge		
Long Variable Gauge Undercarriage (expanded)	3720 mm	12'3"
Long Variable Gauge Undercarriage (retracted)	3220 mm	10'7"
8 Transport Width without Steps		
Long Variable Gauge Undercarriage (expanded)		
600 mm (24") Shoes	4320 mm	14'2"
750 mm (30") Shoes	4470 mm	14'8"
900 mm (35") Shoes	4620 mm	15'2"
Long Variable Gauge Undercarriage (retracted)		
600 mm (24") Shoes	3820 mm	12'6"
750 mm (30") Shoes	3970 mm	13'0"
900 mm (35") Shoes	4120 mm	13'6"
9 Cab Height	3390 mm	11'2"
10 Counterweight Clearance**	1450 mm	4'9"
Bucket Type		GD
Bucket Part Number		347-6708
Bucket Capacity	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1557 mm	5'1"

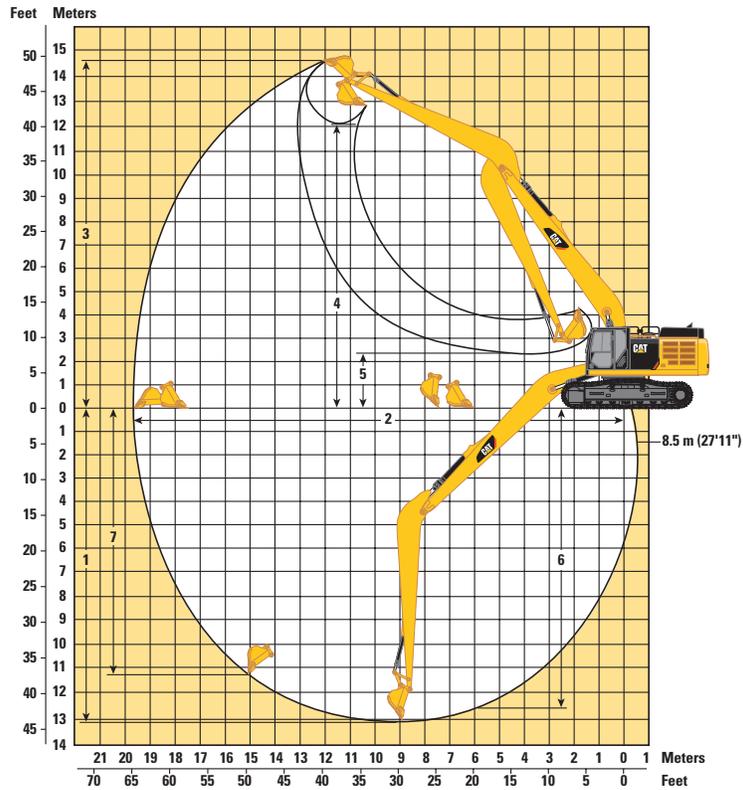
*Including shoe lug height.

**Without shoe lug height.

352F LRE Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom Option	LRE Boom 11.5 m (37'9")	
Stick Option	LRE Stick 8.5 m (27'11")	
1 Maximum Digging Depth	13 040 mm	42'9"
2 Maximum Reach at Ground Level	19 640 mm	64'5"
Maximum Radius of Working Equipment	19 790 mm	64'11"
3 Maximum Cutting Height	14 700 mm	48'3"
4 Maximum Loading Height	12 030 mm	39'6"
5 Minimum Loading Height	2250 mm	7'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	12 600 mm	41'4"
7 Maximum Vertical Wall Digging Depth	11 280 mm	37'0"
Bucket Digging Force (ISO)	141 kN	31,600 lbf
Stick Digging Force (ISO)	104 kN	23,400 lbf
Bucket Digging Force (SAE)	125 kN	28,000 lbf
Stick Digging Force (SAE)	103 kN	23,100 lbf
Bucket Type	GD	
Bucket Part Number	347-6708	
Bucket Capacity	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1557 mm	5'1"

352F LRE Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

	900 mm (35") Triple Grouser Shoes		750 mm (30") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes	
Operating Weights	59 400 kg	130,954 lb	58 600 kg	129,190 lb	57 800 kg	127,427 lb
Ground Pressures	69 kPa	10.0 psi	82 kPa	11.8 psi	101 kPa	14.6 psi

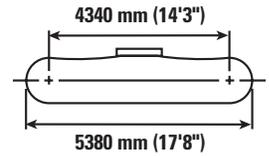
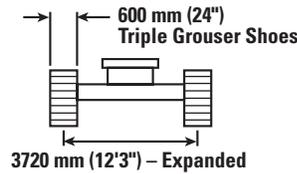
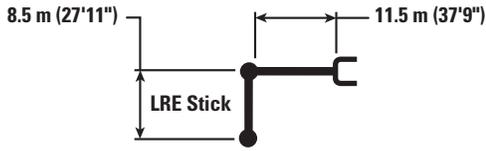
Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)	29 844	65,795
Lower Structure (without track)		
Long Variable Gauge Undercarriage	14 504	31,976
Upper Structure (with boom cylinder, without front linkage and counterweight)		
For 12 mt (13.2 t) Counterweight	15 340	33,818
Counterweight		
12 mt (13.2 t)	12 000	26,455
Boom (includes lines, pins and stick cylinder)		
LRE Boom – 11.5 m (37'9")	5800	12,787
Stick (includes lines, pins and bucket cylinder)		
LRE Stick – 8.5 m (27'11")	3300	7,275
Track Shoes		
900 mm (35") Triple Grouser Shoes	6700	14,770
750 mm (30") Triple Grouser Shoes	5940	13,095
600 mm (24") Triple Grouser Shoes	5190	11,441
Bucket		
GD 1.19 m ³ (1.56 yd ³)	773	1,706

Base machine includes 75 kg (165 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

352F LRE Hydraulic Excavator Specifications

LRE Fronts Capacities – Counterweight: 12 mt (13.2 t) – without Bucket – Heavy Lift: On



		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				m ft
														
13.5 m 45.0 ft	kg lb											*2950	*2950	14.40
12.0 m 40.0 ft	kg lb											*2900 *6,350	*2900 *6,350	15.46 50.83
10.5 m 35.0 ft	kg lb											*2850 *6,300	*2850 *6,300	16.30 53.33
9.0 m 30.0 ft	kg lb											*2900 *6,350	*2900 *6,350	16.97 55.83
7.5 m 25.0 ft	kg lb											*2950 *6,450	*2950 *6,450	17.48 57.50
6.0 m 20.0 ft	kg lb											*3050 *6,650	*3050 *6,650	17.86 59.17
4.5 m 15.0 ft	kg lb											*3150 *6,950	*3150 *6,950	18.10 60.00
3.0 m 10.0 ft	kg lb			*13 200 *31,750	*13 200 *31,750	*15 700 *33,800	*15 700 *33,800	*12 150 *26,250	*12 150 *26,250	*10 000 *21,600	*10 000 *21,600	*3350 *7,300	*3350 *7,300	18.21 60.00
1.5 m 5.0 ft	kg lb			*7700 *17,750	*7700 *17,750	*17 100 *36,900	*17 100 *36,900	*13 100 *28,300	*13 100 *28,300	*10 650 *23,000	*10 650 *23,000	*3550 *7,750	*3550 *7,750	18.19 60.00
0 m 0 ft	kg lb	*4100 *9,150	*4100 *9,150	*7150 *16,150	*7150 *16,150	*13 250 *30,450	*13 250 *30,450	*13 750 *29,700	13 300 28,700	11 100 *24,050	10 400 22,450	*3800 *8,400	3600 7,950	18.06 59.17
-1.5 m -5.0 ft	kg lb	*5450 *12,100	*5450 *12,100	*7750 *17,400	*7750 *17,400	*12 300 *27,950	*12 300 *27,950	*14 050 *30,400	12 600 27,100	*11 400 *24,700	9850 21,200	*4150 *9,200	3600 7,950	17.79 58.33
-3.0 m -10.0 ft	kg lb	*6800 *15,100	*6800 *15,100	*8800 *19,700	*8800 *19,700	*12 600 *28,550	*12 600 *28,550	*14 050 *30,350	12 150 26,150	11 200 24,100	9450 20,350	4400 9,650	3700 8,100	17.39 57.50
-4.5 m -15.0 ft	kg lb	*8150 *18,200	*8150 *18,200	*10 100 *22,600	*10 100 *22,600	*13 600 *30,750	*13 600 *30,750	*13 700 *29,650	11 950 25,650	10 950 23,600	9250 19,850	4550 10,050	3800 8,400	16.84 55.83
-6.0 m -20.0 ft	kg lb	*9600 *21,400	*9600 *21,400	*11 550 *25,950	*11 550 *25,950	*15 000 *33,950	*15 000 *33,950	*13 100 *28,300	11 900 25,600	10 850 23,400	9150 19,650	4850 10,650	4050 8,950	16.13 53.33
-7.5 m -25.0 ft	kg lb			*13 200 *29,750	*13 200 *29,750	*14 700 *31,700	*14 700 *31,700	*12 200 *26,250	12 000 25,800	*10 250 *22,100	9150 19,750	5250 11,650	4450 9,800	15.25 50.00
-9.0 m -30.0 ft	kg lb			*15 100 *33,450	*15 100 *33,450	*12 950 *27,750	*12 950 *27,750	*10 900 *23,400	*10 900 *23,400	*9300 *19,850	*9300 *19,850	*5300 *11,650	5000 11,150	14.14 46.67
-10.5 m -35.0 ft	kg lb							*9200 *19,500	*9200 *19,500	*7900 *16,700	*7900 *16,700	*5100 *11,200	*5100 *11,200	12.77 41.67



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.

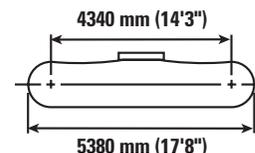
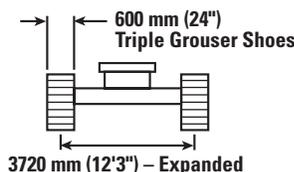
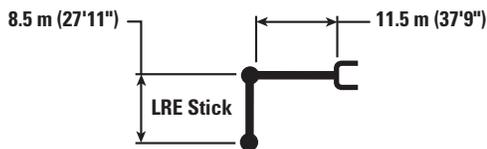
Lift capacity stays with ±5% for all available track shoes.

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

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352F LRE Hydraulic Excavator Specifications

LRE Fronts Capacities – Counterweight: 12 mt (13.2 t) – without Bucket – Heavy Lift: On (continued)



		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft		18.0 m/60.0 ft		 m ft			
																	
13.5 m 45.0 ft	kg lb														*2950	*2950	14.40
12.0 m 40.0 ft	kg lb							*3350	*3350						*2900	*2900	15.46
10.5 m 35.0 ft	kg lb							*6,550	*6,550						*6,350	*6,350	50.83
9.0 m 30.0 ft	kg lb							*4150	*4150						*2850	*2850	16.30
7.5 m 25.0 ft	kg lb							*8,550	*8,550						*6,300	*6,300	53.33
6.0 m 20.0 ft	kg lb							*4750	*4750	*3500	*3500				*2900	*2900	16.97
4.5 m 15.0 ft	kg lb							*10,000	*10,000	*6,800	*6,800				*6,350	*6,350	55.83
3.0 m 10.0 ft	kg lb					*5950	*5950	*5350	*5350	*4200	*4200				*2950	*2950	17.48
1.5 m 5.0 ft	kg lb					*12,900	*12,900	*11,400	*11,400	*8,450	*8,450				*6,450	*6,450	57.50
0 m 0 ft	kg lb			*6750	*6750	*6150	*6150	*5700	*5700	*4800	*4800				*3050	*3050	17.86
-1.5 m -5.0 ft	kg lb	*8000	*8000	*7100	*7100	*6400	*6400	*5850	5650	*5400	4750	*3350	*3350	*3150	*3150	18.10	
-3.0 m -10.0 ft	kg lb	*17,350	*17,350	*15,400	*15,400	*13,900	*13,900	*12,700	12,100	*11,150	10,100			*6,950	*6,950	60.00	
-4.5 m -15.0 ft	kg lb	*8500	*8500	*7450	*7450	*6650	6450	*6050	5400	5300	4550	*3700	*3700	*3350	*3350	18.21	
-6.0 m -20.0 ft	kg lb	*18,400	*18,400	*16,150	*16,150	*14,400	13,900	*13,050	11,600	11,400	9,750			*7,300	*7,300	60.00	
-7.5 m -25.0 ft	kg lb	*8950	*8950	*7800	7350	*6900	6150	6050	5150	5150	4400	*3950	3750	*3550	*3550	18.19	
-9.0 m -30.0 ft	kg lb	*19,400	19,350	*16,850	15,850	*14,900	13,200	12,950	11,100	11,000	9,350			*7,750	*7,750	60.00	
-10.5 m -35.0 ft	kg lb	*9350	8400	*8050	6950	6800	5850	5800	4950	5000	4250	*3950	3650	*3800	3600	18.06	
-12.0 m -40.0 ft	kg lb	*20,200	18,150	*17,400	14,950	14,650	12,550	12,450	10,600	10,650	9,050			*8,400	7,950	59.17	
-13.5 m -45.0 ft	kg lb	9400	8000	7800	6650	6550	5600	5600	4750	4850	4100			*4150	3600	17.79	
-15.0 m -50.0 ft	kg lb	20,200	17,200	16,750	14,250	14,100	12,000	12,050	10,200	10,400	8,750			*9,200	7,950	58.33	
-16.5 m -55.0 ft	kg lb	9050	7650	7500	6350	6350	5400	5450	4600	4750	4000			4400	3700	17.39	
-18.0 m -60.0 ft	kg lb	19,450	16,500	16,150	13,700	13,700	11,600	11,750	9,900	10,150	8,550			9,650	8,100	57.50	
-19.5 m -65.0 ft	kg lb	8850	7450	7350	6200	6250	5250	5350	4500	4700	3950			4550	3800	16.84	
-21.0 m -70.0 ft	kg lb	19,000	16,050	15,800	13,350	13,400	11,300	11,550	9,700	10,050	8,450			10,050	8,400	55.83	
-22.5 m -75.0 ft	kg lb	8750	7350	7250	6100	6150	5200	5350	4500					4850	4050	16.13	
-24.0 m -80.0 ft	kg lb	18,800	15,850	15,600	13,150	13,250	11,150	11,450	9,650					10,650	8,950	53.33	
-25.5 m -85.0 ft	kg lb	*8750	7350	7250	6100	6200	5200	5350	4500					5250	4450	15.25	
-27.0 m -90.0 ft	kg lb	*18,800	15,850	15,650	13,200	13,300	11,200							11,650	9,800	50.00	
-28.5 m -95.0 ft	kg lb	*7950	7450	*6800	6200	*5750	5300							*5300	5000	14.14	
-30.0 m -100.0 ft	kg lb	*16,950	16,100	*14,450	13,400	*12,100	11,450							*11,650	11,150	46.67	
-31.5 m -105.0 ft	kg lb	*6750	*6750	*5650	*5650									*5100	*5100	12.77	
-33.0 m -110.0 ft	kg lb	*14,200	*14,200	*11,800	*11,800									*11,200	*11,200	41.67	



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.

352F LRE Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – North America

	Linkage	Width		Capacity		Weight		Fill	Long Reach Excavation
		mm	in	m ³	yd ³	kg	lb	%	
Pin-On (No Quick Coupler)									
General Duty Capacity	B	600	24	0.55	0.72	617	1,360	100	●
	B	750	30	0.75	0.98	708	1,561	100	●
	B	900	36	0.95	1.24	784	1,729	100	●
General Duty Capacity – WT	B	600	24	0.55	0.72	615	1,356	100	●
	B	750	30	0.75	0.98	708	1,561	100	●
	B	900	36	0.95	1.24	784	1,728	100	●
Heavy Duty	B	600	24	0.46	0.61	648	1,428	100	●
	B	750	30	0.64	0.84	747	1,647	100	●
	B	900	36	0.81	1.06	824	1,816	100	●
	B	1050	42	1.00	1.31	878	1,935	100	●
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	●
Ditch Cleaning – Tilt	B	1800	72	0.90	1.83	1105	2,436	100	●
	B	2000	79	1.11	1.61	1161	2,560	100	●
Maximum load with pin-on (payload + bucket)								kg	3500
								lb	7,716
With Cat Pin Grabber Coupler									
General Duty Capacity	B	600	24	0.55	0.72	617	1,360	100	●
	B	750	30	0.75	0.98	708	1,561	100	●
	B	900	36	0.95	1.24	784	1,729	100	●
General Duty Capacity – WT	B	600	24	0.55	0.72	615	1,356	100	●
	B	750	30	0.75	0.98	708	1,561	100	●
	B	900	36	0.95	1.24	784	1,728	100	●
Heavy Duty	B	600	24	0.46	0.61	648	1,428	100	●
	B	750	30	0.64	0.84	747	1,647	100	●
	B	900	36	0.81	1.06	824	1,816	100	●
	B	1050	42	1.00	1.31	878	1,935	100	●
Ditch Cleaning	B	1500	60	1.01	1.32	651	1,436	100	●
Ditch Cleaning – Tilt	B	1800	72	0.90	1.83	1105	2,436	100	●
	B	2000	79	1.11	1.61	1161	2,560	100	⊙
Maximum load with coupler (payload + bucket)								kg	3078
								lb	6,787

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 long tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)

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.

352F LRE Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Europe

	Linkage	Width		Capacity		Weight		Fill	Long Reach Excavation
		mm	in	m ³	yd ³	kg	lb	%	
Without Pin Grabber Coupler									
Cat General Duty	B	1200	48	1.19	1.56	800	1,763	100	●
	B	1300	51	1.30	1.71	832	1,833	100	●
Ditch Cleaning	B	1800	72	1.24	1.62	740	1,631	100	●
	B	2010	79	1.18	1.54	800	1,764	100	●
Tilting Ditch Cleaning	B	2010	79	1.15	1.50	1095	2,414	100	●
Maximum load with pin on (payload + bucket)								kg	3500
								lb	7,716
With Pin Grabber Coupler									
Cat General Duty	B	1200	48	1.19	1.56	800	1,763	100	⊙
	B	1300	51	1.30	1.71	832	1,833	100	⊙
Ditch Cleaning	B	1800	72	1.24	1.62	740	1,631	100	⊙
	B	2010	79	1.18	1.54	800	1,764	100	⊙
Tilting Ditch Cleaning	B	2010	79	1.15	1.50	1095	2,414	100	⊙
Maximum load with coupler (payload + bucket)								kg	3500
								lb	7,716
With Quick Coupler (CW40)									
Cat General Duty	B	1050	42	1.00	1.31	704	1,551	100	●
	B	1200	48	1.19	1.55	764	1,683	100	●
Ditch Cleaning	B	2000	78	1.27	1.66	696	1,534	100	●
Maximum load with coupler (payload + bucket)								kg	2345
								lb	5,170

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 long tips.

Maximum Material Density:

● 2100 kg/m³ (3,500 lb/yd³)

⊙ 1800 kg/m³ (3,000 lb/yd³)

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352F LRE Standard Equipment

Standard Equipment

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

ENGINE

- Cat C13 ACERT diesel engine
- Biodiesel capable up to B20
- Meets Tier 4 Final and Stage IV emission standards
- 2300 m (7,500 ft) altitude capability
- Electric priming pump
- Automatic engine speed control
- Standard, economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Fuel differential indicator switch in fuel line
- 2×6 micron main filters
- 1×10 micron primary fuel line filter

HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter

CAB

- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window
- Glass-breaking safety hammer
- Removable lower windshield within cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- Radio with MP3 auxiliary audio port
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Two power outlets, 10 amp (total)
- Laminated glass front upper window and tempered other windows

UNDERCARRIAGE

- Grease Lubricated Track GLT4
- Towing eye on base frame
- Heavy-duty track rollers
- Track motor guards

ELECTRICAL

- 80 amp alternator
- Circuit breaker

LIGHTS

- Boom light
- Cab lights with time delay
- Exterior lights integrated into storage box

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
- Openable skylight for emergency exit
- Rearview and sideview cameras

Optional Equipment

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

ENGINE

- Electric refueling pump with auto shut off
- Starting kit, cold weather, -32° C (-26° F)
- Jump start receptacle
- Quick drains, engine and hydraulic oil

HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Additional circuit
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Cat quick coupler line – high- and medium-pressure capable
- Quick coupler for high pressure
- Tool control system

CAB

- Cab hatch emergency exit
- Seat, high-back air suspension with heater and cooling
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Sunscreen
- Windshield wiper, lower with washer
- AM/FM radio
- Air pre-filter
- Travel alarm
- Left foot switch
- Left pedal
- Straight travel pedal

UNDERCARRIAGE

- Long HD Variable Gauge undercarriage:
 - 600 mm (24") triple grouser shoes, PPR2
 - 750 mm (30") triple grouser shoes, PPR2
 - 900 mm (35") triple grouser shoes, PPR2
- Guard, full length
- Guard, heavy-duty bottom
- Center track guiding guard
- Segmented (three piece) track guiding guard
- Fabricating idler
- Casting idler

COUNTERWEIGHT

- 12.0 mt (13.2 t)

FRONT LINKAGE

- Bucket linkage
 - TB family without lifting eye
- Long Reach boom
 - 11.5 m (37'9") boom
 - 8.5 m (27'11") stick

LIGHTS

- Working lights, cab mounted with time delay
- HID lights, cab mounted with time delay
- Halogen boom lights
- HID boom lights

SECURITY

- FOGS, bolt-on
- Guard, cab front, mesh
- Guard, vandalism

TECHNOLOGY

- Cat GRADE
- Product Link™

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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