

352F

Hydraulic Excavator



Engine

Engine Model	Cat® C13 ACERT™	
Power – ISO 9249 (metric)	311 kW	413 PS

Drive

Maximum Travel Speed	4.7 km/h
Maximum Drawbar Pull	335 kN

Weights

Minimum Weight	51 100 kg
Maximum Weight	53 500 kg

The 352F is built to take on your up-close and far-out excavating tasks. The 52-ton machine features a variable gauge undercarriage that retracts for transport and expands to help increase stability and lift capability, particularly helpful when you do a lot of work over the side.

Where the real power comes in is through the integrated engine, hydraulic, and work tool systems. You can move tons of material – literally – every hour, on the hour, all day long with a great deal of speed, precision, and efficiency.

Following are the built-in benefits and available options that make 352F an outstanding performer and an excellent choice for your line of work:



Engine

- C13 ACERT engine meets EU Stage IV emission standards.
- 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 you save fuel.
- Three power modes – high, standard, and eco – and automatic engine idle shutdown help you more actively manage fuel consumption.

Hydraulics

- 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.
- 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 going back to the tank, resulting in less pressure loss for higher controllability, more productivity, and lower operating costs.
- Heavy lift mode increases machine system pressure to improve lift and reduces engine speed and pump flow in order to improve controllability.
- 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.

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Key Features

Built-in benefits and available options



Cab

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



Work Tools

- Multiple Cat Work Tools 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.
- Cat tool control remembers pressures and flows for up to 10 tools that can be selected from the monitor 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.
- Side-by-side cooling system is efficient and easy to clean, and is capable of being upgraded for high-ambient conditions.

Technology Options

- Cat Grade Control delivers 2D bucket tip elevation guidance to the cab to help you create precise planes and slopes with ease, eliminating the need for staking and checking.
- Cat AccuGrade™ provides 3D guidance for making complex cuts and contours.
- Product Link™/VisionLink® connects you to your machine, providing access to its location, hours, fuel consumption, idle time, events, and diagnostic codes.

Structures

- Heavy Duty Reach booms and sticks offer you all around versatility for general excavation work like multipurpose digging and loading.
- Mass Excavation boom and sticks provide higher digging forces for heavy material like rock due to special boom and stick geometry, bucket linkage, and cylinders built for greater durability.
- Upper frame is built with special mounts to support the ROPS cab.
- Lower frame is reinforced to enhance component durability.
- Track shoes, links, rollers, idlers, and final drives are built with high-tensile-strength steel.
- Grease-lubricated track link prevents dirt and debris from entering.

352F Hydraulic Excavator Specifications

Engine

Engine Model	Cat C13 ACERT	
Gross Power – SAE J1995 (metric)	322 kW	438 PS
Power – ISO 9249 (metric)	304 kW	413 PS
Power – ISO 14396 (metric)	317 kW	431 PS
Bore	130 mm	
Stroke	157 mm	
Displacement	12.5 L	

Hydraulic System

Maximum Flow		
Main System	770 L/min	
Swing System	385 L/min	
Pilot System	27 L/min	
Auxiliary Circuit – High Pressure	300 L/min	
Auxiliary Circuit – Medium Pressure	45 L/min	
Maximum Pressure		
Equipment	35 000 kPa	
Equipment (heavy lift)	38 000 kPa	
Travel	35 000 kPa	
Swing	27 500 kPa	
Pilot System	4120 kPa	
Boom Cylinder – Bore	170 mm	
Boom Cylinder – Stroke	1524 mm	
Stick Cylinder – Bore	190 mm	
Stick Cylinder – Stroke	1758 mm	
TB Family Bucket Cylinder – Bore	160 mm	
TB Family Bucket Cylinder – Stroke	1356 mm	
UB Family Bucket Cylinder – Bore	170 mm	
UB Family Bucket Cylinder – Stroke	1396 mm	

Drive

Maximum Travel Speed	4.7 km/h
Maximum Drawbar Pull	335 kN
Maximum Gradeability	30°/70%

Swing Mechanism

Swing Speed	8.7 rpm
Swing Torque	148.5 kN·m

Service Refill Capacities

Fuel Tank Capacity	720 L
Cooling System	50 L
Engine Oil (with filter)	38 L
Swing Drive (each)	10 L
Final Drive (each)	15 L
Hydraulic System Oil (including tank)	570 L
Hydraulic Tank Oil	407 L
DEF Tank	41 L

Track

Track Options	600 mm 700 mm 900 mm
Number of Shoes (each side)	52
Number of Track Rollers (each side)	9
Number of Carrier Rollers (each side)	3

Sound Performance

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

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

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

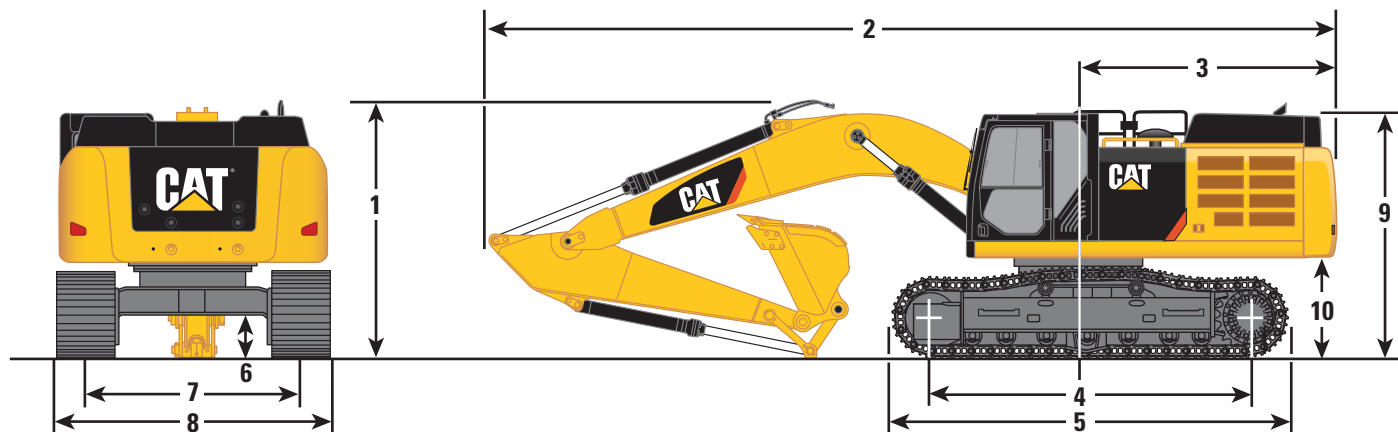
Standards

Brakes	ISO 10265
Cab/FOGS	SAE J1356
Cab/ROPS	ISO 12117-2
DEF	ISO 22241

352F Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options	Reach Boom 6.9 m		Mass Boom 6.55 m	
	R3.35TB	R2.9TB	M3.0UB	M2.5UB
Stick Options				
1 Shipping Height (boom height)	3660 mm	3690 mm	4080 mm	4040 mm
Shipping Height (handrail height)	3520 mm	3520 mm	3520 mm	3520 mm
2 Shipping Length	11 870 mm	11 880 mm	11 570 mm	11 650 mm
3 Tail Swing Radius	3760 mm	3760 mm	3760 mm	3760 mm
4 Length to Center of Rollers	4340 mm	4340 mm	4340 mm	4340 mm
5 Track Length	5380 mm	5380 mm	5380 mm	5380 mm
6 Ground Clearance**	710 mm	710 mm	710 mm	710 mm
Ground Clearance*	740 mm	740 mm	740 mm	740 mm
7 Track Gauge (Expanded)	2890 mm	2890 mm	2890 mm	2890 mm
Track Gauge (Retracted)	2390 mm	2390 mm	2390 mm	2390 mm
8 Transport Width (Expanded)				
600 mm Shoes	3490 mm	3490 mm	3490 mm	3490 mm
750 mm Shoes	3640 mm	3640 mm	3640 mm	3640 mm
900 mm Shoes	3790 mm	3790 mm	3790 mm	3790 mm
Transport Width (Retracted)				
600 mm Shoes	3000 mm	3000 mm	3000 mm	3000 mm
750 mm Shoes	3240 mm	3240 mm	3240 mm	3240 mm
900 mm Shoes	3290 mm	3290 mm	3290 mm	3290 mm
9 Cab Height	3370 mm	3370 mm	3370 mm	3370 mm
Cab Height with Top Guard	3540 mm	3540 mm	3540 mm	3540 mm
10 Counterweight Clearance**	1430 mm	1430 mm	1430 mm	1430 mm
Bucket Type	GD	GD	SD	SD
Bucket Capacity	3.1 m ³	3.1 m ³	3.2 m ³	3.2 m ³
Bucket Tip Radius	1893 mm	1893 mm	2121 mm	2121 mm

*Including shoe lug height.

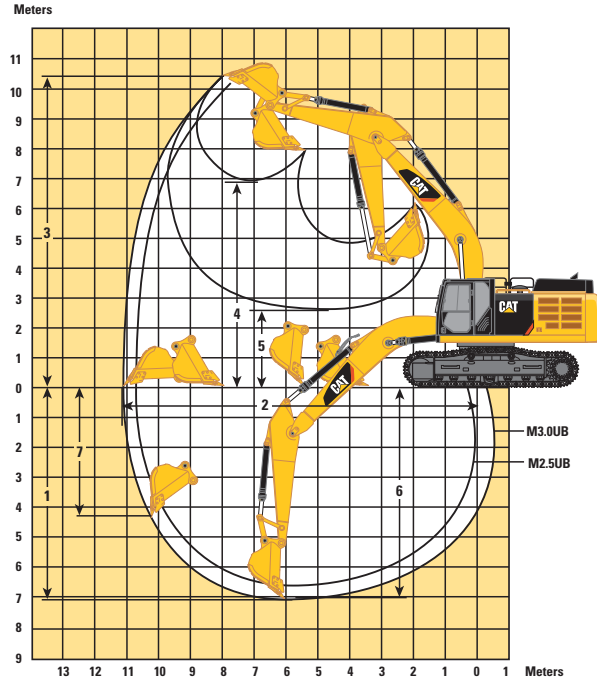
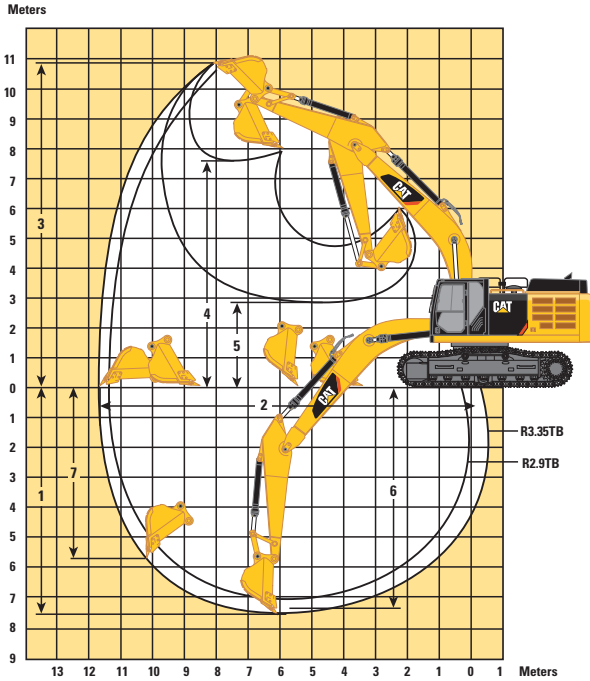
**Without shoe lug height.

Dimensions may vary depending on bucket selection.

352F Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom Options

Reach Boom 6.9 m

Mass Boom 6.55 m

Stick Options

	R3.35TB	R2.9TB	M3.0UB	M2.5UB
1 Maximum Digging Depth	7510 mm	7060 mm	7150 mm	6650 mm
2 Maximum Reach at Ground Level	11 710 mm	11 290 mm	11 240 mm	10 770 mm
3 Maximum Cutting Height	10 970 mm	10 790 mm	10 440 mm	10 250 mm
4 Maximum Loading Height	7580 mm	7400 mm	6900 mm	6700 mm
5 Minimum Loading Height	2900 mm	3350 mm	2730 mm	3230 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	7360 mm	6900 mm	7010 mm	6490 mm
7 Maximum Vertical Wall Digging Depth	5680 mm	5270 mm	4280 mm	3850 mm
Bucket Type	GD	GD	SD	SD
Bucket Capacity	3.1 m ³	3.1 m ³	3.2 m ³	3.2 m ³
Bucket Tip Radius	1893 mm	1893 mm	2121 mm	2121 mm

Dimensions may vary depending on bucket selection.

352F Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

Boom	Stick	Bucket	900 mm		750 mm		600 mm		600 mm		
			Triple Grouser Shoes	kg	kPa	Triple Grouser Shoes	kg	kPa	Double Grouser Shoes	kg	kPa
R6.9 m	R3.35TB	3.1 m ³	52 300	61	51 500	72	50 900	89	50 800	88	
R6.9 m	R3.35TB	3.1 m ³	52 100	61	51 400	72	51 100	89	50 700	88	
M6.55 m	M3.0 UB	3.2 m ³	53 500	62	52 800	74	52 100	91	52 000	91	
M6.55 m	M2.5UB	3.2 m ³	53 500	62	52 600	73	51 900	90	51 800	90	

Major Component Weights

	kg
Base Machine (with boom cylinder, without counterweight, front linkage and track)	27 000
Counterweight	9 000
Boom (includes lines, pins and stick cylinder)	
Reach Boom (6.9 m)	4 630
Mass Boom (6.55 m)	4 860
Stick (includes lines, pins, bucket linkage and bucket cylinder)	
R3.35TB	2 540
R2.9TB	2 400
M3.0UB	2 930
M2.5UB	2 720
Track Shoe (per two tracks)	
600 mm Double Grouser	5 290
600 mm Triple Grouser	5 190
750 mm Triple Grouser	5 940
900 mm Triple Grouser	6 700
Buckets	
TB1880GD 3.10 m ³	2 440
UB1850SD 3.2 m ³	3 050

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.

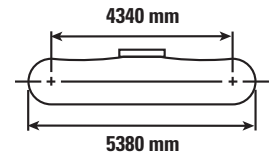
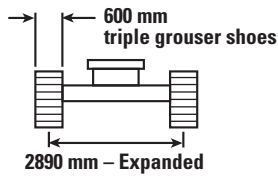
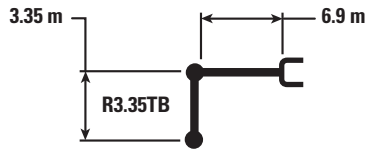
352F Hydraulic Excavator Specifications

Bucket and Stick Forces

Boom Options	Reach Boom 6.9 m		Mass Boom 6.55 m	
Stick Options	R3.35TB	R2.9TB	M3.0UB	M2.5UB
TB Linkage	3.1 m ³	3.1 m ³		
General Duty Capacity				
Bucket Digging Force (ISO)	268 kN	268 kN	—	—
Stick Digging Force (ISO)	199 kN	219 kN	—	—
Heavy Duty				
Bucket Digging Force (ISO)	268 kN	268 kN	—	—
Stick Digging Force (ISO)	201 kN	221 kN	—	—
Severe Duty				
Bucket Digging Force (ISO)	266 kN	266 kN	—	—
Stick Digging Force (ISO)	200 kN	220 kN	—	—
Extreme Duty				
Bucket Digging Force (ISO)	266 kN	266 kN	—	—
Stick Digging Force (ISO)	200 kN	220 kN	—	—
UB Linkage			3.2 m ³	3.2 m ³
Heavy Duty				
Bucket Digging Force (ISO)	—	—	296 kN	296 kN
Stick Digging Force (ISO)	—	—	212 kN	241 kN
Severe Duty				
Bucket Digging Force (ISO)	—	—	290 kN	290 kN
Stick Digging Force (ISO)	—	—	211 kN	239 kN

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
														mm
9000 mm	kg											*8950	*8950	7450
7500 mm	kg							*11 950	*11 950			*8450	*8450	8580
6000 mm	kg							*12 600	12 150	*11 200	9050	*8350	*8350	9340
4500 mm	kg			*21 250	*21 250	*16 250	*16 250	*13 700	11 700	*12 300	8850	*8450	7750	9800
3000 mm	kg			*26 150	23 450	*18 600	15 450	*15 000	11 250	*12 900	8600	*8850	7350	10 020
1500 mm	kg			*18 500	*18 500	*20 400	14 750	*16 050	10 850	12 700	8400	*9500	7200	10 010
0 mm	kg			*21 550	*21 550	*21 150	14 350	16 300	10 550	12 500	8250	*10 500	7350	9760
-1500 mm	kg	*15 800	*15 800	*27 500	21 900	*20 850	14 200	16 150	10 400	12 450	8200	11 950	7900	9270
-3000 mm	kg	*24 850	*24 850	*25 050	22 050	*19 400	14 250	*15 250	10 450			*12 750	8950	8470
-4500 mm	kg	*26 600	*26 600	*20 850	*20 850	*16 250	14 550					*12 500	11 200	7290



ISO 10567



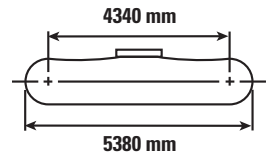
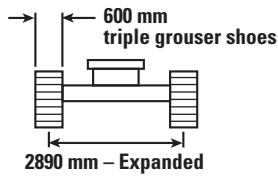
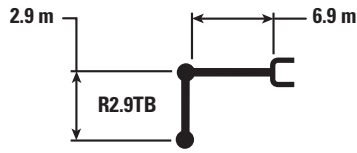
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
9000 mm	kg											*11 200	*11 200	6760
7500 mm	kg							*12 800	12 250			*10 650	*10 650	8000
6000 mm	kg					*14 950	*14 950	*13 300	12 050			*10 550	9300	8800
4500 mm	kg			*23 000	*23 000	*17 150	16 200	*14 350	11 650	*12 800	8850	*10 850	8400	9300
3000 mm	kg			*19 150	*19 150	*19 350	15 350	*15 500	11 200	12 900	8650	*11 450	7900	9530
1500 mm	kg			*15 250	*15 250	*20 900	14 750	*16 400	10 850	12 700	8450	11 700	7800	9510
0 mm	kg			*21 650	*21 650	*21 350	14 400	16 350	10 600	12 550	8300	12 100	8000	9260
-1500 mm	kg	*17 350	*17 350	*26 750	22 100	*20 700	14 300	16 250	10 550			13 100	8650	8730
-3000 mm	kg	*28 850	*28 850	*23 850	22 350	*18 800	14 450	*14 650	10 650			*13 600	10 000	7880
-4500 mm	kg			*19 100	*19 100	*14 900	14 800					*13 100	13 050	6580



ISO 10567



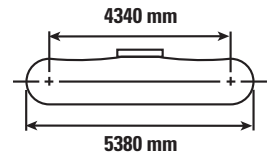
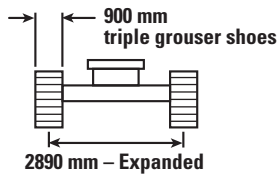
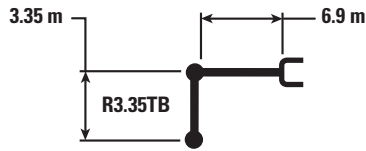
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
														mm
9000 mm	kg											*8950	*8950	7450
7500 mm	kg							*12 000	*12 000			*8450	*8450	8580
6000 mm	kg							*12 600	12 450	*11 200	9300	*8350	*8350	9340
4500 mm	kg			*21 300	*21 300	*16 250	*16 250	*13 750	12 000	*12 300	9100	*8450	7950	9800
3000 mm	kg			*26 150	24 050	*18 600	15 900	*15 000	11 550	*12 950	8850	*8850	7550	10 020
1500 mm	kg			*18 500	*18 500	*20 400	15 150	*16 050	11 150	13 050	8650	*9500	7400	10 010
0 mm	kg			*21 500	*21 500	*21 200	14 750	*16 650	10 850	12 850	8450	*10 550	7600	9760
-1500 mm	kg	*15 750	*15 750	*27 550	22 500	*20 900	14 600	*16 450	10 750	12 800	8400	*12 250	8100	9270
-3000 mm	kg	*24 850	*24 850	*25 050	22 700	*19 450	14 650	*15 250	10 750			*12 800	9200	8470
-4500 mm	kg	*26 650	*26 650	*20 850	*20 850	*16 300	14 950					*12 500	11 500	7290



ISO 10567



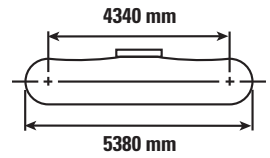
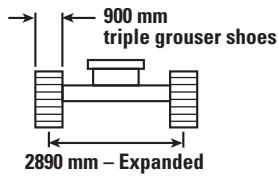
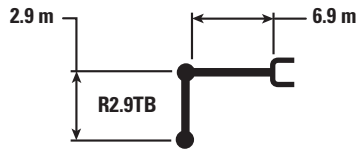
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
9000 mm	kg											*10 650	*10 650	6880
7500 mm	kg							*12 800	12 550			*10 050	*10 050	8090
6000 mm	kg					*14 950	*14 950	*13 300	12 350			*9850	9400	8890
4500 mm	kg			*23 000	*23 000	*17 150	16 600	*14 350	11 950	*12 800	9050	*10 050	8500	9380
3000 mm	kg			*17 500	*17 500	*19 350	15 750	*15 500	11 500	13 300	8850	*10 500	8050	9610
1500 mm	kg			*13 950	*13 950	*20 900	15 100	*16 400	11 150	13 050	8650	*11 350	7900	9600
0 mm	kg			*20 300	*20 300	*21 350	14 800	*16 800	10 900	12 950	8550	12 300	8150	9340
-1500 mm	kg	*16 200	*16 200	*26 750	22 700	*20 700	14 700	*16 350	10 800			*13 300	8750	8820
-3000 mm	kg	*27 700	*27 700	*23 850	22 950	*18 800	14 850	*14 650	10 950			*13 300	10 100	7980
-4500 mm	kg			*19 100	*19 100	*14 900	*14 900					*12 700	*12 700	6700



ISO 10567



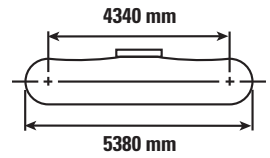
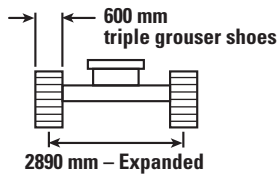
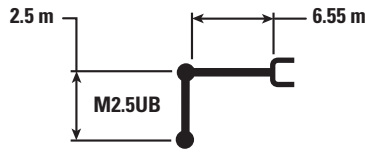
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








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

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm				
												mm
7500 mm	kg									*13 000	12 600	7220
6000 mm	kg					*15 400	*15 400	*13 850	11 700	*12 700	10 300	8110
4500 mm	kg			*23 150	*23 150	*17 350	15 900	*14 600	11 350	*12 900	9100	8640
3000 mm	kg					*19 400	15 050	*15 600	10 950	12 900	8500	8890
1500 mm	kg					*20 750	14 450	*16 350	10 600	12 750	8350	8870
0 mm	kg			*25 200	21 700	*20 950	14 150	16 150	10 350	13 250	8650	8600
-1500 mm	kg	*19 650	*19 650	*25 800	21 800	*20 000	14 100	*15 600	10 350	*14 150	9500	8030
-3000 mm	kg	*27 200	*27 200	*22 300	22 150	*17 450	14 300			*13 950	11 400	7090



ISO 10567



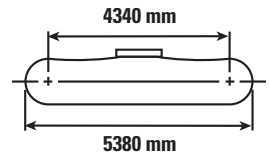
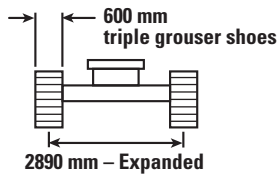
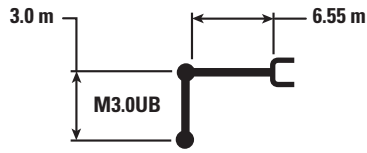
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
9000 mm	kg											*10 700	*10 700	6500
7500 mm	kg							*12 300	12 000			*9950	*9950	7780
6000 mm	kg							*13 000	11 800			*9700	9350	8610
4500 mm	kg			*21 300	*21 300	*16 350	16 050	*13 900	11 400	*11 300	8500	*9850	8350	9110
3000 mm	kg			*25 950	23 100	*18 550	15 150	*15 000	10 950	12 650	8300	*10 300	7850	9340
1500 mm	kg			*22 750	21 900	*20 200	14 450	*15 950	10 550	12 400	8100	*11 150	7700	9330
0 mm	kg			*26 700	21 500	*20 800	14 000	16 000	10 250	12 250	7950	12 150	7900	9070
-1500 mm	kg	*18 950	*18 950	*26 700	21 500	*20 250	13 900	*15 850	10 150			13 250	8550	8530
-3000 mm	kg	*30 800	*30 800	*23 750	21 750	*18 300	14 000	*13 850	10 300			*13 350	10 050	7660
-4500 mm	kg			*18 450	*18 450	*13 800	*13 800					*12 650	*12 650	6310



ISO 10567



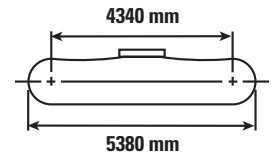
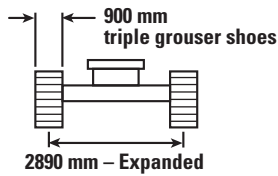
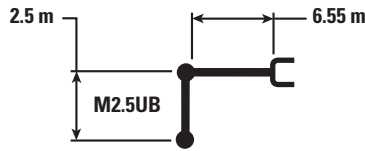
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







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

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

352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm				
											mm	
7500 mm	kg									*13 000	12 900	7220
6000 mm	kg					*15 400	*15 400	*13 850	12 000	*12 700	10 550	8110
4500 mm	kg			*23 150	*23 150	*17 350	16 300	*14 600	11 650	*12 900	9350	8640
3000 mm	kg					*19 400	15 450	*15 600	11 250	13 250	8750	8890
1500 mm	kg					*20 750	14 850	*16 350	10 900	13 100	8600	8870
0 mm	kg			*25 200	22 300	*20 950	14 500	*16 450	10 650	13 650	8900	8600
-1500 mm	kg	*19 650	*19 650	*25 800	22 400	*20 000	14 450	*15 600	10 650	*14 150	9750	8030
-3000 mm	kg	*27 200	*27 200	*22 300	*22 300	*17 450	14 650			*13 950	11 700	7090



ISO 10567



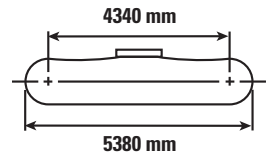
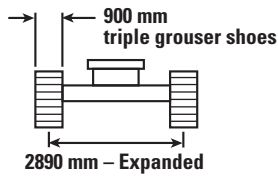
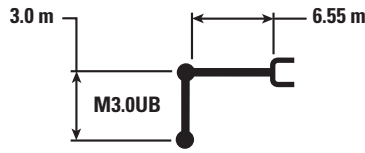
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352F Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Counterweight: 9.0 mt – without Bucket – Heavy Lift: On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
9000 mm	kg											*10 700	*10 700	6500
7500 mm	kg							*12 300	12 250			*9950	*9950	7780
6000 mm	kg							*13 000	12 100			*9700	9600	8610
4500 mm	kg			*21 300	*21 300	*16 350	*16 350	*13 900	11 700	*11 300	8750	*9850	8600	9110
3000 mm	kg			*25 950	23 700	*18 550	15 550	*15 000	11 250	13 000	8550	*10 300	8050	9340
1500 mm	kg			*22 750	22 500	*20 200	14 850	*15 950	10 850	12 750	8350	*11 150	7900	9330
0 mm	kg			*26 700	22 100	*20 800	14 400	*16 300	10 550	12 600	8200	12 500	8150	9070
-1500 mm	kg	*18 950	*18 950	*26 700	22 100	*20 250	14 300	*15 850	10 450			*13 350	8800	8530
-3000 mm	kg	*30 800	*30 800	*23 750	22 350	*18 300	14 400	*13 850	10 600			*13 350	10 350	7660
-4500 mm	kg			*18 450	*18 450	*13 800	*13 800					*12 650	*12 650	6310



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.

352F Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	Reach Boom		Mass Boom	
		mm	m ³	kg	%	R3.35 HD	R2.9 HD	M3.0	M2.5
Without Pin Grabber Coupler									
General Duty (GD)	TB	1370	1.87	1755	100	●	●		
	UB	1550	2.61	2418	100			⊙	●
	UB	2000	3.60	2881	100			○	⊖
Heavy Duty (HD)	TB	1500	2.41	2065	100	●	●		
	TB	1650	2.41	2210	100	●	●		
	TB	1800	2.69	2423	100	⊙	⊙		
	TB	1850	2.78	2420	100	⊙	⊙		
	UB	1650	2.77	2562	100			⊙	●
	UB	1850	3.19	2735	100			⊖	⊙
	UB	1950	3.43	2898	100			○	⊖
Severe Duty (SD)	TB	1550	2.14	2340	90	●	●		
	TB	1700	2.41	2494	90	●	●		
	TB	1900	2.78	2716	90	⊙	●		
	UB	1450	2.39	2540	90			●	●
	UB	1550	2.61	2648	90			●	●
	UB	1650	2.77	2729	90			⊙	●
	UB	1850	3.21	2987	90			⊖	⊙
	UB	1950	3.43	3058	90			⊖	⊖
Extreme Duty (XD)	TB	1700	2.41	2765	90	●	●		
	UB	1550	2.61	3091	90			⊙	●
	UB	1650	2.77	3192	90			⊙	●
Maximum load pin on (payload + bucket)					kg	7426	8017	7739	8528

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.

Capacity based on ISO 7451.

Bucket weight with long tips.

Maximum Material Density

- 2100 kg/m³
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³

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 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	Reach Boom		Mass Boom	
		mm	m ³	kg	%	R3.35 HD	R2.9 HD	M3.0	M2.5
With Quick Coupler (CW55)									
Heavy Duty (HD)	TB	1650	2.41	2196	100	●	●		
	UB	1650	2.77	2479	100			⊙	●
	UB	1850	3.19	2664	100			⊖	⊙
Severe Duty (SD)	UB	1550	2.61	2570	90			●	●
	UB	1650	2.77	2655	90			⊙	●
Extreme Duty (XD)	UB	1550	2.61	3087	90			⊙	●
Maximum load with coupler (payload + bucket)					kg	6666	7257	6899	7688

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.

Capacity based on ISO 7451.

Bucket weight with long tips.

Maximum Material Density

- 2100 kg/m³
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352F Hydraulic Excavator Specifications

Work Tool Offering Guide*

Boom Options	Reach Boom		Mass Boom	
Stick Options	R3.35 HD	R2.9 HD	M3.0	M2.5
Counterweight	Standard (9.0 mt)			
Hydraulic Hammer	H160E s H180E s	H160E s H180E s	H160E s** H180E s**	H160E s** H180E s**
Multi-Processor	MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw MP30 PS Jaw MP30 S Jaw MP30 TS Jaw	MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw MP30 PS Jaw MP30 S Jaw MP30 TS Jaw	MP30 CC Jaw** MP30 CR Jaw** MP30 PP Jaw** MP30 PS Jaw** MP30 S Jaw** MP30 TS Jaw** MP40 CC Jaw*** MP40 CR Jaw*** MP40 PS Jaw***# MP40 S Jaw***	MP30 CC Jaw** MP30 CR Jaw** MP30 PP Jaw** MP30 PS Jaw** MP30 S Jaw** MP30 TS Jaw** MP40 CC Jaw^ MP40 CR Jaw^ MP40 PS Jaw*** MP40 S Jaw^
Pulverizer	P235	P235	P235**	P235**
Crusher	P335	P335	P335** P360^	P335** P360**
Demolition and Sorting Grapple	G330	G330	G330**	G330**
Scrap and Demolition Shear	S340B S365B## S385B##	S340B S365B## S385B##	S340B** S365B## S385B##	S340B** S365B## S385B##
Orange Peel Grapple				
Rippers				
Pin Grabber Coupler	CAT-PG			
Dedicated Quick Coupler	CW-55			

These work tools are available for the 352F.
Consult your Cat dealer for proper match.

*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.

**Pin-on or CW coupler.

***Pin-on only.

#Over the front only.

##Boom mount.

^Over the front only with CW coupler (match Pin-on and CW).

Standard Equipment

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

ENGINE

- Cat C13 ACERT diesel engine
- Biodiesel capable, up to B20
- Meets EU Stage IV emission standards
- 2300 m altitude capability
- Electric priming pump with switch
- Automatic engine speed control
- Standard, economy and high power modes
- Air cleaner
- 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

HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing additional auxiliary circuits
- Up to B20 Bio oil capable

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)
- Removable lower windshield within cab storage bracket
- 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)
 - Thumb wheel modulation joystick for use with combined auxiliary control
 - Sunscreen
 - Air conditioner, heater and defroster with climate control
- Seat
 - Adjustable high back, heated and ventilated seat with air suspension
 - 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

COUNTERWEIGHT

- 9 mt

UNDERCARRIAGE

- Grease Lubricated Track with PPR2 GLT4
- Towing eye on base frame
- Heavy-duty track rollers and idlers
- Track motor guards
- Heavy-duty bottom guard
- Swivel guard

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Standard battery

LIGHTS

- Cab and boom 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
- 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

Optional Equipment

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

ENGINE

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

HYDRAULIC SYSTEM

- HP hydraulic lines for boom and stick
- MP hydraulic lines for boom and stick
- QC hydraulic lines for boom and stick
- Universal QC Control
- Up to B20 Bio hydraulic oil

ELECTRICAL

- Cold weather starting package, 240V, –32° C
- Travel alarm
- Electric refueling pump with auto shut off with storage box

CAB

- Windshield
 - 70-30 split, sliding, removable lower windshield with in cab storage bracket
 - One-piece, fixed
- Cab front rain protector

TRACK

- 600 mm double grouser shoes
- 600 mm triple grouser shoes
- 750 mm triple grouser shoes
- 900 mm triple grouser shoes

GUARDS

- FOGS (Falling Object Guard system) including overhead and windshield guards
- Track guiding guards
 - Full length (2 piece)
 - Center
 - Segmented (3 piece)

FRONT LINKAGE

- HD Reach boom 6.9 m (with BLCV/SLCV/SmartBoom)
 - R3.35TB stick (with or without CGC)
 - R2.9TB stick
- Mass boom 6.55 m (with or without BLCV/SLCV/SmartBoom)
 - M3.0UB stick
 - M2.5UB stick
- Bucket linkage
 - UB family (with or without lifting eye)
 - TB family (with lifting eye)
- Universal quick coupler

LIGHTS

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

SECURITY

- FOGS, bolt-on

INTEGRATED TECHNOLOGIES

- Cat Grade Control Depth and Slope

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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(EU)

