303.5E2 CR, 304E2 CR, 305E2 CR, 305.5E2 CR

Mini Hydraulic Excavators

	303.5E2 CR	304E2 CR	305E2 CR	305.5E2 CR
Engine				
Engine Model	Cat® C1.7	Cat C2.4	Cat C2.4	Cat C2.4
Net Power (ISO 9249)	17.5 kW (23.5 hp)	30 kW (40.2 hp)	30 kW (40.2 hp)	32.9 kW (44.2 hp)
Weights				
Operating Weight with Canopy	3539 kg (7,803 lb)	3884 kg (8,564 lb)	5020 kg (11,069 lb)	5259 kg (11,596 lb)
Operating Weight with Cab	3723 kg (8,209 lb)	4039 kg (8,906 lb)	5185 kg (11,433 lb)	5423 kg (11,958 lb)
Operating Specifications				
Maximum Dig Depth	3180 mm (125 in)	3430 mm (135 in)	3670 mm (144 in)	3870 mm (152 in)

The right machine with the right power, versatility and ease of operation required for your application.

Contents

The Cat E2 Series Mini Hydraulic Excavators are designed to carry on the solid performance of their E Series predecessors, while adding even greater value for the customer. The new High Definition Hydraulic (HDH) System, redesigned operator station and enhanced digital control panel specially designed for Cat Mini Excavators – COMPASS (Complete, Operation, Maintenance, Performance And Security System) – are all standard features that improve performance and increase value.

Operator Station
Productivity with Comfort and Quality

Comfortable Working Environment
The high quality suspension seat, 76 mm (3 in) retractable seat belt, easy to adjust armrests, and ergonomic layout provide superior comfort and reduce operator fatigue. The new interlocking front window system, updated operator interface and 100% pilot controls provide a best-in-class operator station and customer value.

Joystick Controls
The boom swing and auxiliary hydraulic functions are located at your fingertips providing smooth, easy operation. They also eliminate foot pedals and free up the floor for more room for the operator's feet. 100% pilot controls provide consistent flow and pressure throughout the life of the machine. This allows all controls to be locked out while starting the machine.

Operation and Hydraulic Control

Pushing Performance to the Limit

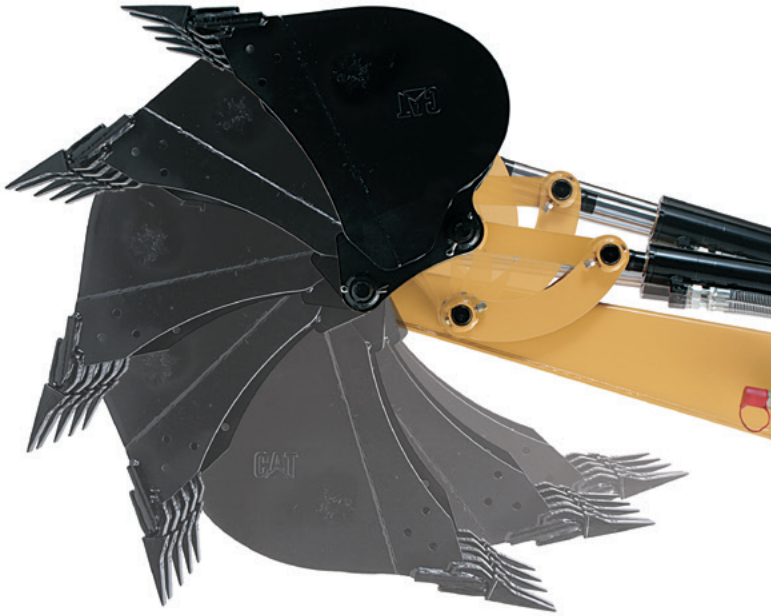
Powerful Digging, Precise Control

The new High Definition Hydraulic (HDH) System in the E2 machines provides a load sensing and flow sharing capability leading to operational precision, efficient performance and greater control. By combining variable pump efficiency, open center valve simplicity, and a simple architecture the valve achieves controllability. The simple valve architecture reduces heat which leads to a reduction in hydraulic instability and improved overall efficiency.

200 Degree Bucket Rotation

Industry leading bucket rotation of over 200 degrees provides greater material retention during truck loading.

It also allows for easier vertical wall digging without repositioning the machine.



Engine

Intelligent Operation

Engine

Each of the E2 models is equipped with the engine solution to best support the power and performance required based on the weight class and application. Also, standard features like auto idle offer consistent lower engine speeds to increase engine life and offer fuel savings.

Smart Technology is a new feature of the 303.5E2. Through the integration of this technology with the U.S. EPA Tier 4 Final 23.5 hp (17.6 kW) engine, the machine is able to meet and exceed performance of the previous generation 303.5E. Additionally, testing on the 303.5E2 revealed an 8% fuel economy improvement and 7% greater efficiency over the E Series.

Automatic Two Speed

With the standard automatic two speed feature, the machine will automatically balance high speed and torque travel requirements based on job site conditions to give the operator the optimum speed and control. The machine can be put in low gear if slower travel is desired while in tight conditions.

COMPASS Control Panel

Complete, Operation, Maintenance, Performance and Security System

The COMPASS control panel on the Cat E2 Series mini hydraulic excavators was specifically designed by Caterpillar for compact excavators. It adds several new features to the machines increasing the amount of customer value. All of the following features are now standard on all E2 Series models.

Complete – All of the control panel features are standard

Operation – Simple operation of the pattern changer, hydraulic quick coupler and fuel gauge visibility all at the push of a button

Maintenance – Maintenance intervals, diagnostics and work hours

Performance – Save up to 20% fuel while maintaining optimum performance levels

And

Security – Anti-theft device with individual user and master passwords

System – Ergonomically designed control panel

Passcode Protected Security System

A standard anti-theft device now comes on every E2 Series compact excavator. A five digit alphanumeric password is required to start the machine when the anti-theft feature is enabled. There is a master password and up to five user passwords can be created by the owner if desired.

Keep your machine safe on a busy job site by locking it when you are not around

Adjustable Auxiliary Work Tool Flow Control

The E2 Series machines now have simple adjustability of the flow going down the boom and stick to the work tool. Both the standard main line and optional secondary auxiliary hydraulics can be adjusted on a scale of 1–15 through a few buttons on the control panel.

Adjust the flow to your different tools with a simple push of a button

UNLOCK the new features and experience the value of the exclusive COMPASS control panel on the E2 Series compact excavators

Continuous Flow

Once this feature is enabled through a button on the monitor, the E2 Series machines can run in continuous flow mode. With the auxiliary hydraulics on the right hand joystick, just hold the roller switch at the desired flow rate and direction for 2.5 seconds and the machine will maintain that flow rate until it is turned off.

Maintain hydraulic flow to your tools at any flow and in any direction with the simple push of a button

Pattern Changer

Change the operating pattern between excavator and backhoe with a simple press of a button from the comfort of the cab.

Exclusive push button pattern changer is safe and easy

Maintenance and Performance Information

Easily keep track of various maintenance and performance parameters of your machine.

Reset the maintenance intervals and ensure the machine is receiving proper care maximizing the life of the machine

Compact Radius Design

Ease of Transport, Access and Operation

Compact Radius

The compact radius design gives greater machine versatility and the capability to work within confined areas. This allows the operator to concentrate on the work being done without having to worry about damaging the back of the machine or other job site obstacles. On the 305E2 CR and the 305.5E2 CR, the upper body stays within 140 mm (5.5 in) of the undercarriage.

Zero Tail Swing

The 303.5E2 CR and the 304E2 CR models feature a zero tail swing design. On these models, the radius of the upper body stays entirely within the width of the undercarriage.

Rubber Track – The standard rubber track lets you work on multiple surfaces such as grass, pavement or stone without damaging the surface or machine.

Steel Track Option – Optional steel track is available for harsh conditions such as demolition. The extra weight of the steel tracks generally provides better stability when digging over the side of the machine.

Rubber Pads – Optional rubber pads can be attached to the steel track to prevent damage to paved surfaces and minimize noise and vibration during travel with the steel track system. This option provides the maximum overall stability. (Not available on the 303.5E2 CR and 304E2 CR.)

Undercarriage
A Strong Foundation

Dozer Blade

Maximize your productivity

Simple Dozer Control with Float Function

The dozer function is pilot controlled from inside the cab, providing smooth, proportional operation. The standard float function is enabled by pushing the lever fully forward into the detent position. Cleanup and backfilling is easier since the operator does not have to adjust the blade height during travel.

Excellent Blade Visibility

Visibility to the blade is excellent in any position, allowing the blade to be positioned behind the operator and away from the front linkage for better access when back dragging and finishing in tight areas.

Angle Blade Option

Increase machine versatility with the Cat angle dozer blade. Built for strength and durability, the hydraulic angle blade features a hardened steel wear edge and good protection to cylinders and hydraulic lines. The angle blade can be positioned straight ahead or angled up to 25 degrees to the left or right. This reduces the number of times required to back up and reposition when backfilling so you can finish the job faster. All functions of the blade are controlled with one joystick using a proportional roller switch for the angle function.

Coupler and Work Tool Options

Versatility for Any Application

Couplers

The E2 Series is available with a mechanical pin-grabber or a hydraulic pin-grabber quick coupler option. The coupler design uses a wedge to keep the tool secure to the coupler, reducing wear and maintaining a tight fit through the life of the coupler.

The hydraulic coupler allows the operator to change tools without leaving the comfort of the cab.

Wide Range of Work Tools

A wide range of Cat Work Tools have been designed specifically for the Cat Mini Hydraulic Excavators to maximize machine performance. Available work tools include:

- Buckets (heavy duty and heavy duty capacity)
- Tilting, Ditch Cleaning Buckets
- Hydraulic Hammers
- Augers
- Thumbs (not available in all regions)
- Vibratory Compactors
- Shears (boom mounted on 305E2 CR/305.5E2 CR only)
- Quick Coupler

Standard Thumb Ready Sticks

Machines come standard with stick mounted brackets, ready to fit a hydraulic thumb for even greater machine versatility.

A factory installed bracket and relief valve make hydraulic thumb installation simple and cost-effective.

Standard Auxiliary Lines and Accumulator

One-way and two-way auxiliary lines (combined function), including quick connections, are fitted as standard equipment so the machine comes ready to work. A standard accumulator allows for auxiliary pressure to be released, making connecting and disconnecting work tools safer and easier.

Serviceability and Support

Maximized Uptime and Ease of Service

Easy Service

Extended service intervals, durable components, and ease of service access points decrease your owning and operating costs while increasing your long-term value.

- Lifting side hood allows access to air filter, main implement valve, 1-way/2-way auxiliary flow selector, accumulator, fuel filter and hydraulic tank. This eliminates the need to lift the cab when maintaining and servicing the machine.
- Swing open door provides access to major components and service points including engine oil check and fill, vertically mounted engine oil filter, starter motor and alternator.
- Easy access to the radiator and oil cooler results in simplified cleaning and reduced maintenance times.
- S·O·S℠ oil sampling valve allows easy sampling of the hydraulic fluid for preventative maintenance.
- 500 hour engine oil and filter change period reduces operating costs and machine downtime.

Customer Support You Can Count On

Your Cat dealer is ready to assist you with your purchase decision and everything after.

- Financing packages are flexible to meet your needs.
- Unmatched parts availability keeps you working.
- Make comparisons of machines, with estimates of component life, preventative maintenance and cost of production.
- Your Cat dealer can evaluate the cost to repair, rebuild and replace your machine.
- For more information on Cat products, dealer services and industry solutions, visit *www.cat.com*.

Engine

Engine Model		
303.5E2 CR	Cat C1.7*	
304E2 CR/305E2 CR/305.5E2 CR	Cat C2.4**	
Rated Net Power (ISO 9249)		
303.5E2 CR	17.5 kW	23.5 hp
304E2 CR/305E2 CR	30 kW	40.2 hp
305.5E2 CR	32.9 kW	44.1 hp
Gross Power		
303.5E2 CR	18.5 kW	24.8 hp
304E2 CR/305E2 CR	31.2 kW	41.8 hp
305.5E2 CR	34.1 kW	45.7 hp
Bore	87 mm	3.4 in
Stroke		
303.5E2 CR	92.4 mm	3.6 in
304E2 CR/305E2 CR/305.5E2 CR	102.4 mm	4 in
Displacement		
303.5E2 CR	1.7 L	104 in^3
304E2 CR/305E2 CR/305.5E2 CR	2.4 L	146 in^3

* Cat C1.7 engine meets U.S. EPA Tier 4 Final/EU Stage IIIB emission standards.
** Cat C2.4 engine meets U.S. EPA Tier 4 Interim/EU Stage IIIA emission standards.

Weights*

Operating Weight with Canopy		
303.5E2 CR	3539 kg	7,803 lb
304E2 CR	3884 kg	8,564 lb
305E2 CR	5020 kg	11,069 lb
305E2 CR	5259 kg	11,596 lb
Operating Weight with Cab		
303.5E2 CR	3723 kg	8,209 lb
304E2 CR	4039 kg	8,906 lb
305E2 CR	5185 kg	11,433 lb
305E2 CR	5423 kg	11,958 lb

* Weight includes rubber tracks, bucket, operator, full fuel and auxiliary lines.

Travel System

Travel Speed – High		
303.5E2 CR	4.6 km/h	2.9 mph
304E2 CR	5.2 km/h	3.2 mph
305E2 CR	4.4 km/h	2.7 mph
305.5E2 CR	4.5 km/h	2.8 mph
Travel Speed – Low		
303.5E2 CR	3.2 km/h	2.0 mph
304E2 CR	3.3 km/h	2.1 mph
305E2 CR/305.5E2 CR	2.8 km/h	1.7 mph
Maximum Traction Force – High Speed		
303.5E2 CR	17.0 kN	3,822 lbf
304E2 CR	16.9 kN	3,799 lbf
305E2 CR	24.1 kN	5,418 lbf
305.5E2 CR	26.8 kN	6,025 lbf
Maximum Traction Force – Low Speed		
303.5E2 CR	31.1 kN	6,992 lbf
304E2 CR	31.0 kN	6,969 lbf
305E2 CR	45.2 kN	10,161 lbf
305.5E2 CR	47.8 kN	10,745 lbf
Ground Pressure		
303.5E2 CR	31.7 kPa	4.6 psi
304E2 CR	29.5 kPa	4.3 psi
305E2 CR	30.8 kPa	4.5 psi
305.5E2 CR	32.2 kPa	4.7 psi

Service Refill Capacities

Cooling System		
303.5E2 CR/304E2 CR	5.5 L	1.5 gal
305E2 CR/305.5E2 CR	10.5 L	2.8 gal
Engine Oil		
303.5E2 CR/304E2 CR	7.0 L	1.8 gal
305E2 CR/305.5E2 CR	9.5 L	2.5 gal
Fuel Tank		
303.5E2 CR/304E2 CR	46 L	12.2 gal
305E2 CR/305.5E2 CR	63 L	16.6 gal
Hydraulic Tank		
303.5E2 CR/304E2 CR	42.3 L	11.2 gal
305E2 CR/305.5E2 CR	68.3 L	18 gal
Hydraulic System		
303.5E2 CR/304E2 CR	65 L	17.2 gal
305E2 CR/305.5E2 CR	78 L	20.6 gal

303.5E2 CR, 304E2 CR, 305E2 CR, 305.5E2 CR Specifications

Hydraulic System†

Pump Flow		
303.5E2 CR/304E2 CR	100 L/min	26.4 gal/min
305E2 CR	150 L/min	39.6 gal/min
305.5E2 CR	163 L/min	43.1 gal/min
Operating Pressure – Equipment	245 bar	3,553 psi
Operating Pressure – Travel	245 bar	3,553 psi
Operating Pressure – Swing	216 bar	3,132 psi
Maximum Auxiliary Circuit – Primary		
303.5E2 CR		
Flow at Pump*	60 L/min	15.9 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
304E2 CR		
Flow at Pump*	65 L/min	17.2 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
305E2 CR		
Flow at Pump*	80 L/min	21.1 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
305.5E2 CR		
Flow at Pump*	80 L/min	21.1 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
Maximum Auxiliary Circuit – Secondary		
303.5E2 CR		
Flow at Pump*	25 L/min	6.6 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
304E2 CR		
Flow at Pump*	25 L/min	6.6 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
305E2 CR		
Flow at Pump*	25 L/min	6.6 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi
305.5E2 CR		
Flow at Pump*	25 L/min	6.6 gal/min
Pressure at Pump*	24,500 kPa	3,553 psi

*Flow and pressure are not combinable. Under load, as flow rises pressure goes down.

Hydraulic System† *(continued)*

Digging Force – Stick (standard)		
303.5E2 CR	18.9 kN	4,249 lbf
304E2 CR	21.6 kN	4,856 lbf
305E2 CR	24.7 kN	5,553 lbf
305.5E2 CR	28.9 kN	6,497 lbf
Digging Force – Stick (long)		
303.5E2 CR	16.9 kN	3,799 lbf
304E2 CR	19.5 kN	4,384 lbf
305E2 CR	21.3 kN	4,788 lbf
305.5E2 CR	24.8 kN	5,575 lbf
Digging Force – Bucket		
303.5E2 CR	33.0 kN	7,419 lbf
304E2 CR	37.8 kN	8,498 lbf
305E2 CR	44.7 kN	10,049 lbf
305.5E2 CR	50.9 kN	11,443 lbf

†Load sensing hydraulics with variable displacement piston pump.

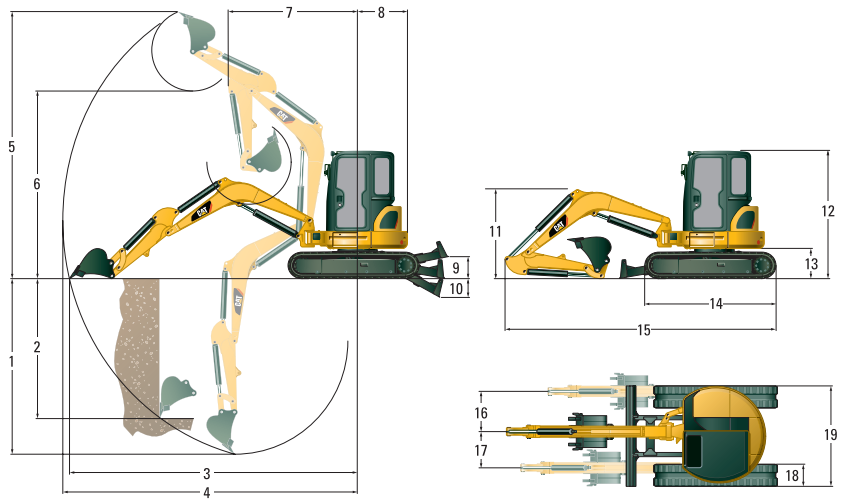
Swing System

Machine Swing Speed	10 rpm
Boom Swing – Left (without stop)	
303.5E2 CR/305E2 CR/305.5E2 CR	80°
304E2 CR	70°
Boom Swing – Left (with stop)	
303.5E2 CR/304E2 CR	55°
305E2 CR/305.5E2 CR	60°
Swing – Right	50°

Blade

Width		
303.5E2 CR	1780 mm	70 in
304E2 CR	1950 mm	77 in
305E2 CR/305.5E2 CR	1980 mm	78 in
Height		
303.5E2 CR/304E2 CR	325 mm	13 in
305E2 CR/305.5E2 CR	375 mm	14.8 in
Dig Depth		
303.5E2 CR/304E2 CR	470 mm	19 in
305E2 CR/305.5E2 CR	555 mm	21.9 in
Lift Height		
303.5E2 CR/304E2 CR	400 mm	16 in
305E2 CR/305.5E2 CR	405 mm	15.9 in

303.5E2 CR Dimensions



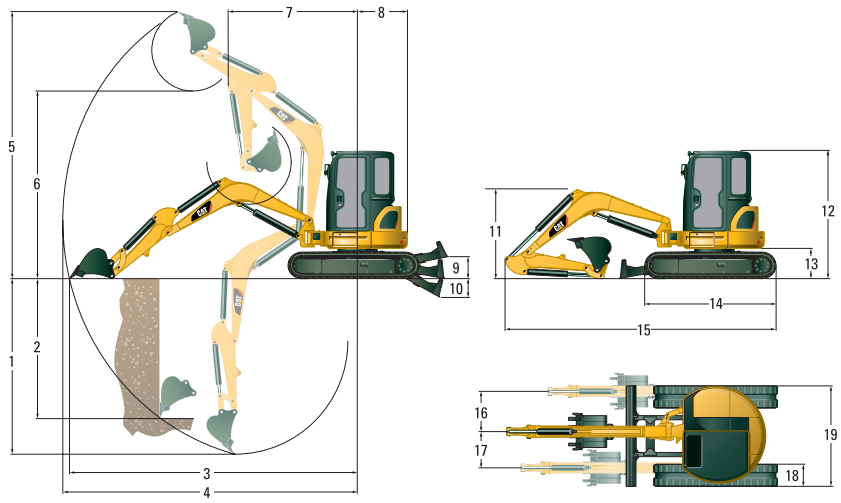
	Standard Stick		Long Stick	
1 Dig Depth	2880 mm	113 in	3180 mm	125 in
2 Vertical Wall	2320 mm	91 in	2470 mm	97 in
3 Maximum Reach at Ground Level	5060 mm	199 in	5320 mm	209 in
4 Maximum Reach	5200 mm	205 in	5440 mm	214 in
5 Maximum Dig Height	4920 mm	194 in	5030 mm	198 in
6 Maximum Dump Clearance	3520 mm	139 in	3640 mm	143 in
7 Boom In Reach	2060 mm	81 in	2180 mm	86 in
8 Tail Swing	890 mm	35 in	890 mm	35 in
9 Maximum Blade Height	400 mm	16 in	400 mm	16 in
10 Maximum Blade Depth	470 mm	19 in	470 mm	19 in
11 Boom Height in Shipping Position	1420 mm	56 in	1650 mm	65 in
12 O/A Shipping Height	2500 mm	98 in	2500 mm	98 in
13 Swing Bearing Height	565 mm	22 in	565 mm	22 in
14 O/A Undercarriage Length	2220 mm	87 in	2220 mm	87 in
15 O/A Shipping Length	4730 mm	186 in	4790 mm	189 in
16 Boom Swing Right	765 mm	30 in	765 mm	30 in
17 Boom Swing Left	670 mm	26 in	670 mm	26 in
18 Track Belt/Shoe Width	300 mm	12 in	300 mm	12 in
19 O/A Track Width	1780 mm	70 in	1780 mm	70 in

303.5E2 CR Lift Capacities at Ground Level*

Lift Point Radius		3000 mm (9'8")		4000 mm (13'1")	
		Front	**Side**	**Front**	**Side**
Blade Down	**kg**	1340	720	850	460
	lb	2,955	1,588	1,874	1,014
Blade Up	**kg**	750	660	470	420
	lb	1,654	1,455	1,036	926

* The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart. Lifting capacities are for long stick.

304E2 CR Dimensions



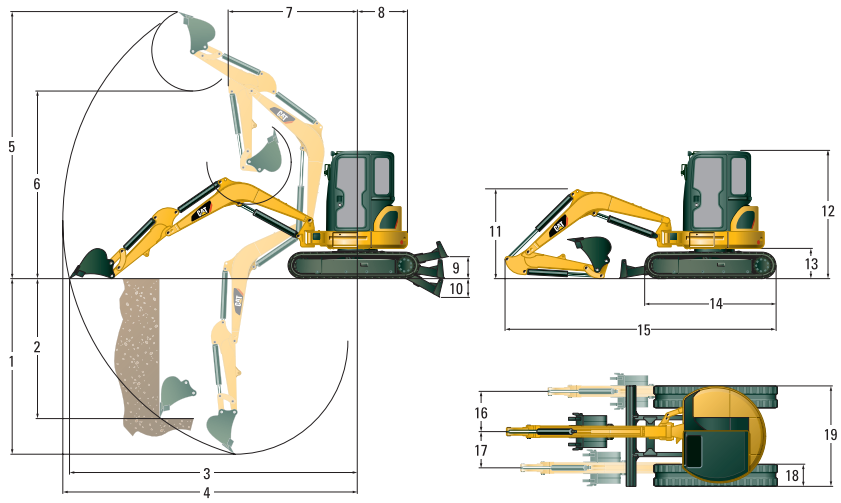
		Standard Stick		Long Stick	
1	Dig Depth	3130 mm	123 in	3430 mm	135 in
2	Vertical Wall	2420 mm	95 in	2560 mm	101 in
3	Maximum Reach at Ground Level	5220 mm	206 in	5470 mm	215 in
4	Maximum Reach	5350 mm	211 in	5590 mm	220 in
5	Maximum Dig Height	4980 mm	196 in	5070 mm	200 in
6	Maximum Dump Clearance	3590 mm	141 in	3690 mm	145 in
7	Boom In Reach	2110 mm	83 in	2220 mm	87 in
8	Tail Swing	975 mm	38 in	975 mm	38 in
9	Maximum Blade Height	400 mm	16 in	400 mm	16 in
10	Maximum Blade Depth	470 mm	19 in	470 mm	19 in
11	Boom Height in Shipping Position	1480 mm	58 in	1770 mm	70 in
12	O/A Shipping Height	2500 mm	98 in	2500 mm	98 in
13	Swing Bearing Height	565 mm	22 in	565 mm	22 in
14	O/A Undercarriage Length	2220 mm	87 in	2220 mm	87 in
15	O/A Shipping Length	4820 mm	190 in	4930 mm	194 in
16	Boom Swing Right	735 mm	29 in	735 mm	29 in
17	Boom Swing Left	670 mm	26 in	670 mm	26 in
18	Track Belt/Shoe Width	350 mm	14 in	350 mm	14 in
19	O/A Track Width	1950 mm	77 in	1950 mm	77 in

304E2 CR Lift Capacities at Ground Level*

Lift Point Radius		**3000 mm (9'8")**		**4500 mm (14'9")**	
		Front	**Side**	**Front**	**Side**
Blade Down	**kg**	1570	910	860	480
	lb	3,462	2,007	1,896	1,058
Blade Up	**kg**	820	820	430	430
	lb	1,808	1,808	948	948

* The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart. Lifting capacities are for long stick.

305E2 CR Dimensions



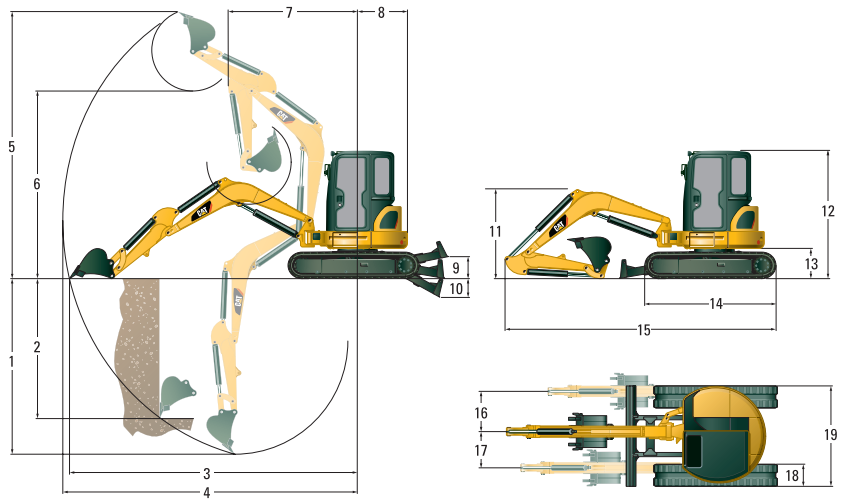
	Standard Stick		Long Stick	
1 Dig Depth	3280 mm	129 in	3670 mm	144 in
2 Vertical Wall	2320 mm	91 in	2630 mm	104 in
3 Maximum Reach at Ground Level	5430 mm	210 in	5810 mm	229 in
4 Maximum Reach	5600 mm	220 in	5960 mm	235 in
5 Maximum Dig Height	5250 mm	207 in	5440 mm	214 in
6 Maximum Dump Clearance	3720 mm	129 in	3920 mm	154 in
7 Boom In Reach	2350 mm	93 in	2530 mm	100 in
8 Tail Swing	1100 mm	43 in	1100 mm	43 in
9 Maximum Blade Height	405 mm	16 in	405 mm	16 in
10 Maximum Blade Depth	555 mm	22 in	555 mm	22 in
11 Boom Height in Shipping Position	1750 mm	69 in	2150 mm	85 in
12 O/A Shipping Height	2550 mm	100 in	2550 mm	100 in
13 Swing Bearing Height	615 mm	24 in	615 mm	24 in
14 O/A Undercarriage Length	2580 mm	102 in	2580 mm	102 in
15 O/A Shipping Length	5180 mm	204 in	5290 mm	208 in
16 Boom Swing Right	785 mm	31 in	785 mm	31 in
17 Boom Swing Left	695 mm	27 in	695 mm	27 in
18 Track Belt/Shoe Width	400 mm	16 in	400 mm	16 in
19 O/A Track Width	1980 mm	78 in	1980 mm	78 in

305E2 CR Lift Capacities at Ground Level*

Lift Point Radius		**3000 mm (9'8")**		**4500 mm (14'9")**	
		Front	**Side**	**Front**	**Side**
Blade Down	**kg**	2340	1200	1260	640
	lb	5,159	2,646	2,778	1,411
Blade Up	**kg**	1450	1070	760	570
	lb	3,197	2,359	1,676	1,257

* The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart. Lifting capacities are for standard stick.

305.5E2 CR Dimensions



	Standard Stick		Long Stick	
1 Dig Depth	3470 mm	137 in	3870 mm	152 in
2 Vertical Wall	2330 mm	92 in	2730 mm	107 in
3 Maximum Reach at Ground Level	5630 mm	222 in	6020 mm	237 in
4 Maximum Reach	5790 mm	228 in	6170 mm	243 in
5 Maximum Dig Height	5330 mm	210 in	5590 mm	220 in
6 Maximum Dump Clearance	3820 mm	150 in	4080 mm	161 in
7 Boom In Reach	2400 mm	94 in	2530 mm	100 in
8 Tail Swing	1130 mm	44 in	1130 mm	44 in
9 Maximum Blade Height	405 mm	16 in	405 mm	16 in
10 Maximum Blade Depth	555 mm	22 in	555 mm	22 in
11 Boom Height in Shipping Position	1740 mm	69 in	2150 mm	85 in
12 O/A Shipping Height	2550 mm	100 in	2550 mm	100 in
13 Swing Bearing Height	615 mm	24 in	615 mm	24 in
14 O/A Undercarriage Length	2580 mm	102 in	2580 mm	102 in
15 O/A Shipping Length	5330 mm	210 in	5460 mm	215 in
16 Boom Swing Right	785 mm	31 in	785 mm	31 in
17 Boom Swing Left	695 mm	27 in	695 mm	27 in
18 Track Belt/Shoe Width	400 mm	16 in	400 mm	16 in
19 O/A Track Width	1980 mm	78 in	1980 mm	78 in

305.5E2 CR Lift Capacities at Ground Level*

Lift Point Radius		3000 mm (9'8")		4500 mm (14'9")	
		Front	Side	Front	Side
Blade Down	kg	2590	1290	1380	690
	lb	5,710	2,844	3,042	1,521
Blade Up	kg	1550	1150	820	620
	lb	3,417	2,535	1,808	1,367

* The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart. Lifting capacities are for standard stick.

303.5E2 CR, 304E2 CR, 305E2 CR, 305.5E2 CR Standard Equipment

Standard Equipment

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

- 1-way and 2-way (combined function) auxiliary hydraulic lines
- Adjustable auxiliary flow control for work tools
- Adjustable wrist rests
- Alternator
- Anti-theft security system
- Automatic engine idle
- Automatic swing park brake
- Automatic two speed travel
- Auxiliary line quick disconnects
- Boom cylinder guard
- Cab mounted work light
- Canopy with Top Guard ISO 10262 (Level 1), ROPS ISO 12117-2 and TOPS ISO 12117
- Coat hook
- COMPASS display panel
- Cup holder
- Continuous flow
- Control pattern changer (not available in Europe)
- Dozer blade with float function
- Floor mat
- Foot travel pedals
- Horn
- Hydraulic oil cooler
- Lifting eye on bucket linkage (standard equipment for all regions except Europe)
- Lockable storage box
- Low maintenance linkage pin joints
- Maintenance free battery
- Rubber track
- Retractable seatbelt
- Stick
  - 303.5E2 CR/304E2 CR – Long stick (optional in Europe)
  - 305E2 CR/305.5E2 CR – Standard stick
- Suspension seat, vinyl covered
- Thumb Ready sticks (standard equipment for all regions except Europe)
- Travel alarm (optional in Europe)

303.5E2 CR, 304E2 CR, 305E2 CR, 305.5E2 CR Optional Equipment

Optional Equipment

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

- Air conditioning
- Angle dozer blade with float function
- Beacon socket for canopy machines
- Boom check valve (Europe only)
- Boom mounted light
- Cab, radio ready with Top Guard ISO 10262 (Level 1), ROPS ISO 12117-2 and TOPS ISO 12117 with heater/defroster, interior light and windshield wiper/washer
- Ecology drain valve for hydraulic tank
- High back suspension seat, fabric covered
- Hydraulic quick coupler lines
- Lifting eye on bucket linkage (optional in Europe, standard for all other regions)
- Stick
  - 303.5E2 CR/304E2 CR – Standard stick (Europe only)
  - 305E2 CR/305.5E2 CR – Long stick
- Mechanical quick coupler
- Mirrors for cab and canopy
- Seatbelt, 75 mm (3 in) wide (optional in Europe, standard in all other regions)
- Secondary auxiliary hydraulic lines
- Steel track and steel track with rubber pads

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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(N Am)

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

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