

314E CR

Hydraulic Excavator

CAT[®]



Engine

Engine Model

Cat[®] C4.4 ACERT[™]

Net Power – SAE J1349

67 kW 89 hp

Drive

Maximum Travel Speed

5.4 km/h 3.4 mph

Maximum Drawbar Pull

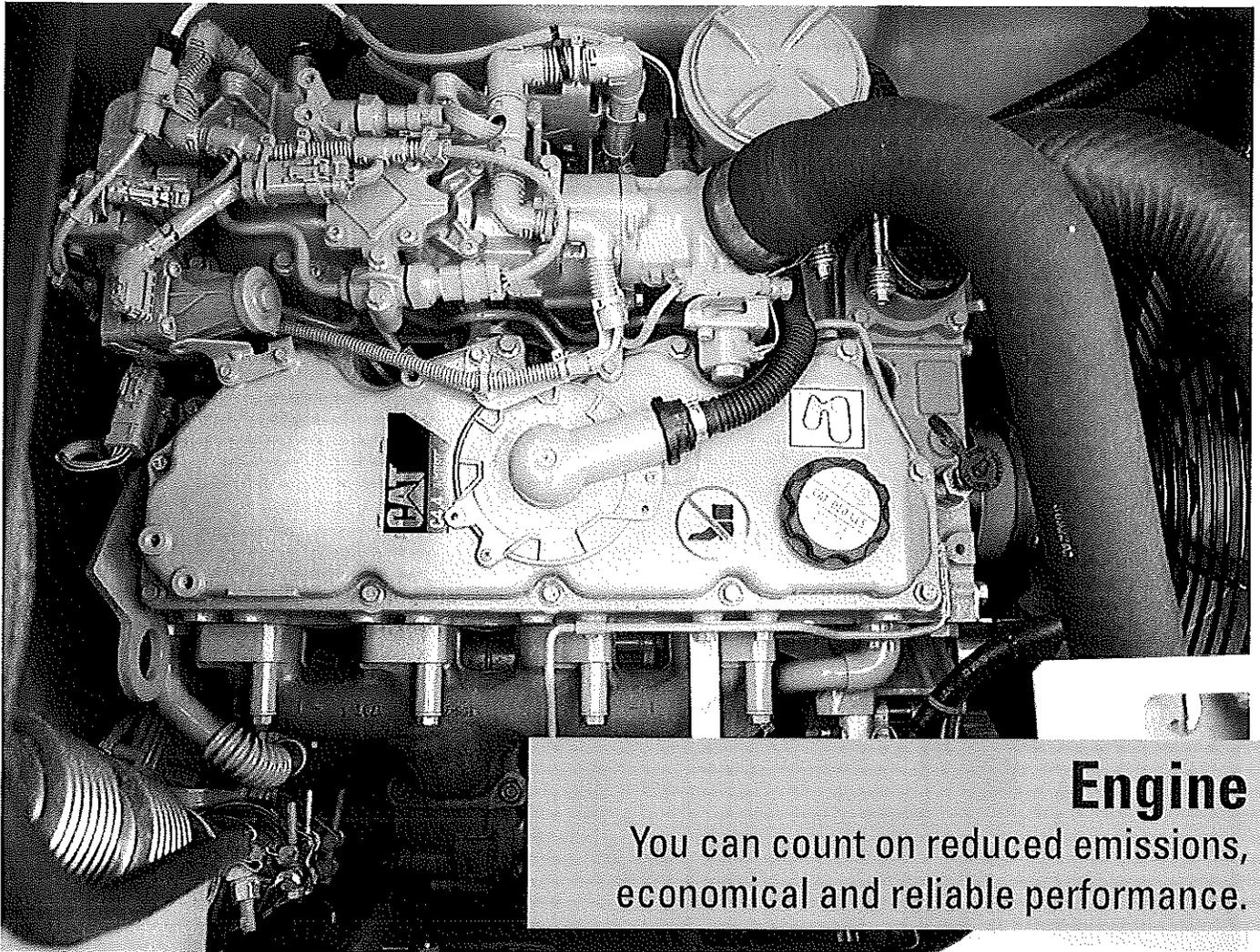
113 kN 25,400 lbf

Weight

Operating Weight

14 800 kg 32,600 lb





Engine

You can count on reduced emissions,
economical and reliable performance.

The Cat C4.4 ACERT engine is built to meet your demanding needs all day every day. There is no interruption to your job process as our new regeneration system works automatically with no operator intervention required.

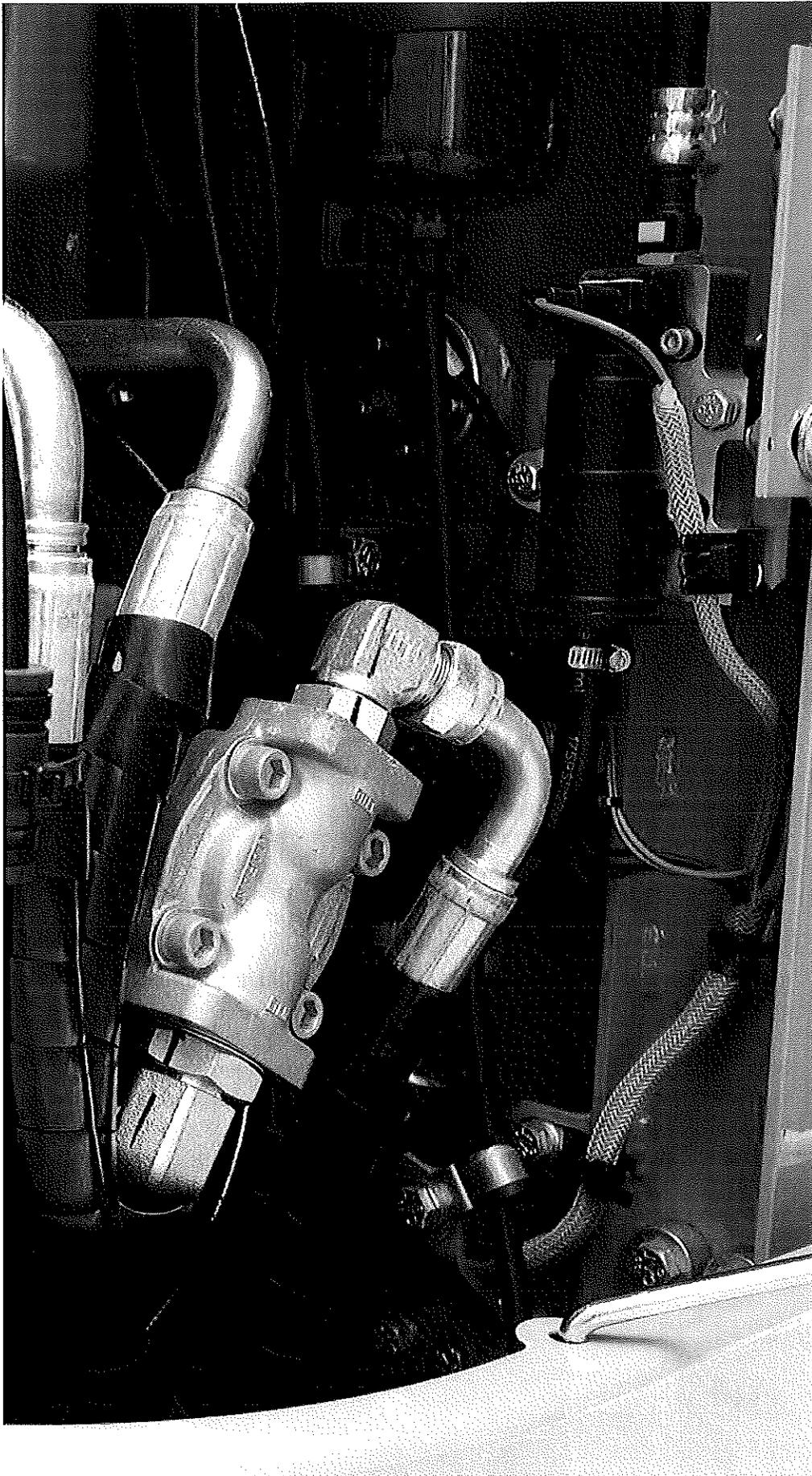
Power Modes

The 314E features two power modes: High power mode is when you need maximum production; economy mode is when you need to balance performance with fuel economy.

Two additional fuel-saving features are on demand engine power and engine idle shutdown. On demand engine power keeps speed low during light loading and idling and automatically adjusts speed up when it senses a heavier load; engine idle shutdown automatically shuts the engine off when it's been idling for more than a specified amount of time that you set, which can save you significant amounts of fuel, reduce your emissions, and even reduce your accumulated service hours, which will extend service intervals and improve re-sale value.

Biodiesel-Ready Fuel System

The C4.4 ACERT engine runs on ultra-low-sulfur diesel fuel, and you have added flexibility of running on B20 biodiesel fuel that meets ASTM 6751 standards. Just fill it up and go.



Hydraulic System

One of the biggest contributors to your productivity and fuel savings is a well-designed hydraulic system, and this is where Cat excavators stand apart. The 314E CR is loaded with several unique features that will put more power to the ground with less money out of your pocket.

Pumps and Valves

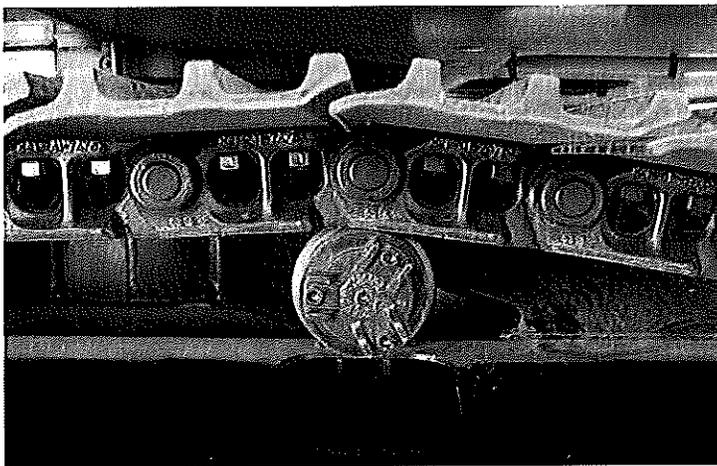
The main control valve is built to work with any tool, allowing you to take on multiple tasks with one machine. The main pumps are located side by side and are driven directly by the engine for the highest level of efficiency to reduce your fuel costs.

Boom Regeneration

Electric boom regeneration results in less pressure loss, higher controllability, more productivity, and lower operating costs for you; it works by reusing the flow of oil that travels from the head of the boom cylinder to the rod end of the boom cylinder during your operator's everyday "boom down" operation. During boom regeneration, engine speed is controlled to be low in order to save extra oil flow from going to the boom cylinders, which saves energy.

Structures & Undercarriage

You can take on a variety of tough tasks with this built-to-last machine.

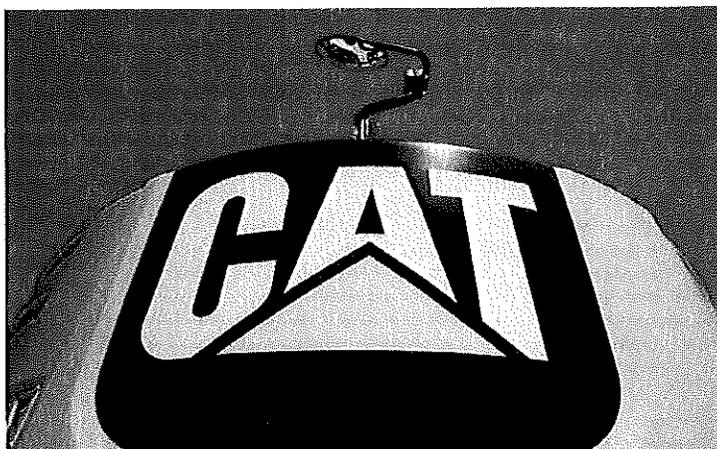


Frame

You can expect excellent quality, reliability, and durability with the 314E CR's reinforced lower and upper frames. Both are built to handle a hard day's work over and over again.

Undercarriage

Long undercarriage supports any type of work you can do with a 14 metric ton machine. The track rollers are a double solid-pin-type design to improve reliability; an optional two-piece guiding guard helps maintain track alignment and improves the machine's overall performance.



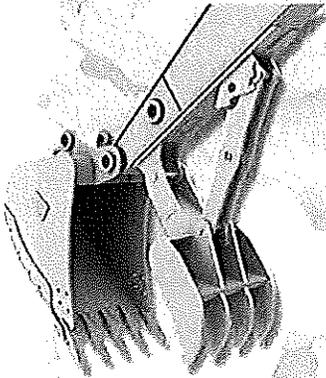
Counterweight

The 314E CR has two counterweight options – 3.06 and 3.56 mt (3.4 and 3.9 t) – to optimally match your machine to the task at hand, whether it's doing light trenching or heavy lifting. With integrated links, you can also easily – and safely – remove the counterweight for maintenance or shipping.

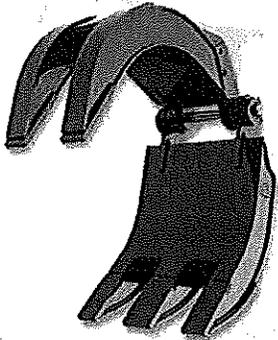
GRAB, SORT, LOAD



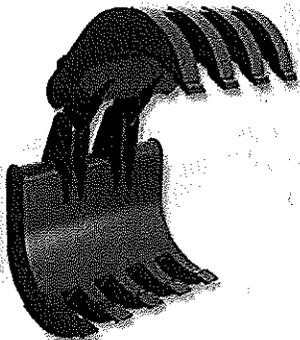
Pro Series Hydraulic Thumbs



Stiff Link Thumbs

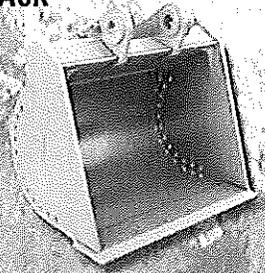


Contractors' Grapples

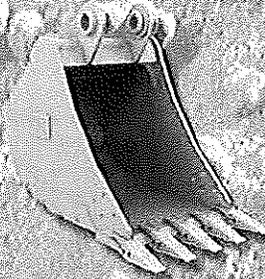


Trash Grapples

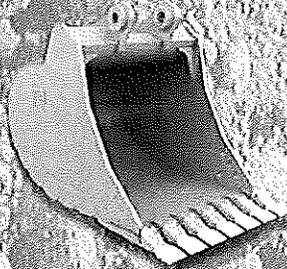
DIG & PACK



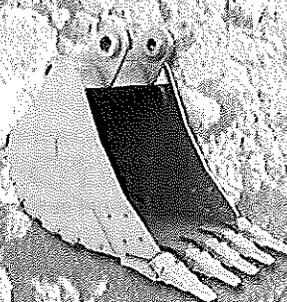
Ditch Cleaning and Tilt Buckets



General Duty Buckets



General Duty, Wide Tip Buckets

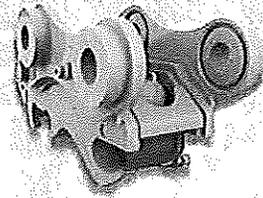


Severe Duty Buckets



Vibratory Plate Compactors

SWAP TOOLS



Center-Lock™ Pin Grabber Coupler

CUT, CRUSH, BREAK & RIP



Scrap & Demolition Shears



Hydraulic Hammers

Integrated Technologies

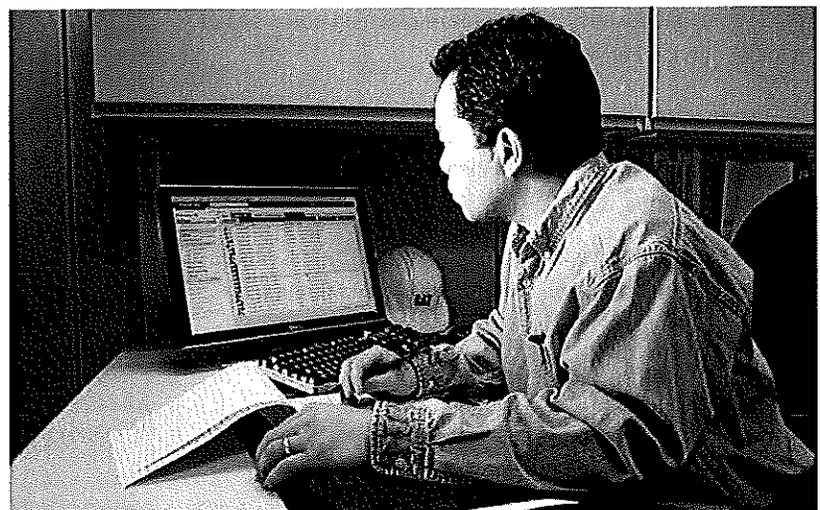
You can make your team's work much easier and more efficient.

Cat Grade Control Depth and Slope

Cat Grade Control Depth and Slope is a standalone factory offering that allows your operator to reference a site elevation and input simple elevation and slope targets into the display to give them real-time bucket tip position through the cab monitor. This allows them to cut or fill to the target elevation the first time, which minimizes the need and cost for traditional grade checking. It also enhances job site safety and helps your team complete jobs quicker with fewer cycles, which means you'll save money on fuel.

Cat Product Link™

You can monitor and improve your fleet management with optional Cat Product Link. The integrated system reports events, diagnostic codes, hours, fuel consumption, location, and other pieces of detailed machine information to the secured web-based application called Vision Link™. The powerful tools within Vision Link communicate with you and your authorized Cat dealer to allow them to help you avoid downtime and better maintain your fleet.



Safety

Several built-in features will help protect your people.



Roll-Over Protective Structure (ROPS) Cab

Your operators will benefit from the enhanced protection of a ROPS-certified cab. It is also built to accommodate a Falling Object Guard Structure (FOGS) for industrial applications.

Sound Proofing

Roof lining and sealing make your operator's sound experience inside the cab comparable to any of today's top pickup trucks.

Anti-Skid Plates

Your operator and service technicians' slipping hazards are reduced with anti-skid plates on the surface of the upper structure and the top of the storage box area.

Steps, Hand and Guard Rails

Your service technicians can work securely on the machine with extended hand and guardrails to the upper deck and steps on the track frame and storage box.

Time Delay Lights

The cab and boom lights can be programmed to stay on for up to 90 seconds after the engine has been turned off to help your operators safely exit the machine.

High Intensity Discharge (HID) Lights

You can upgrade to HID for greater visibility in low-light conditions.

Windows

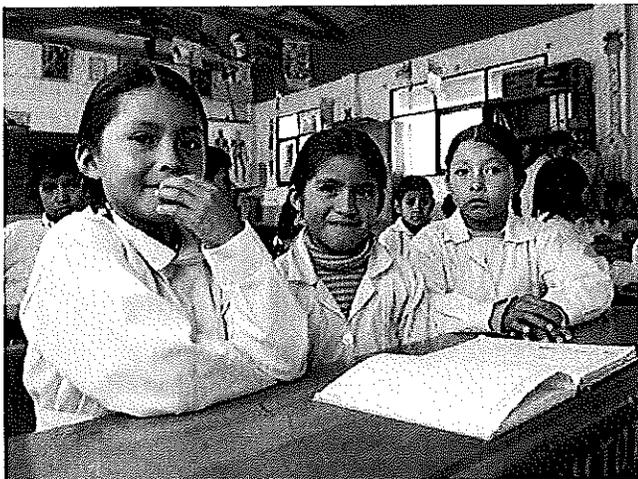
You can easily store both the upper and lower window in cab. You also have great overhead visibility and lighting with a large skylight.

Rearview Camera

Your operator has a clear view behind the machine with an optional rearview camera. The image projects through the standard cab monitor.

Sustainability

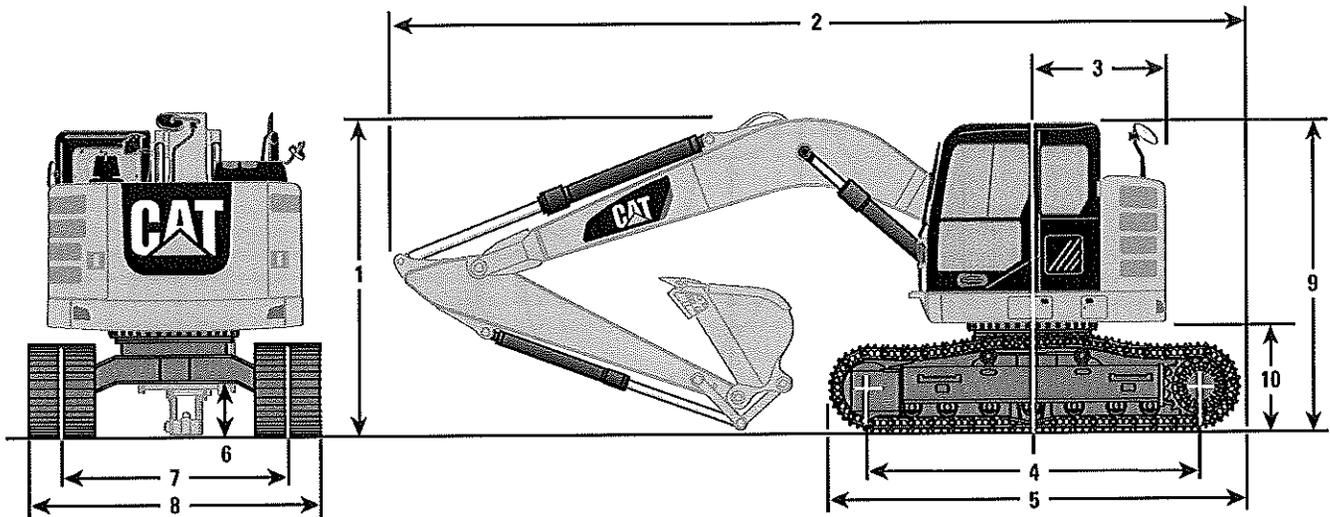
Your machine is designed to benefit generations ahead.



- The 314E CR is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.
- The C4.4 ACERT engine ensures you meet U.S. EPA Tier 4 Interim emission standards.
- The 314E CR has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or biodiesel (B20) fuel blended with ULSD that meets ASTM 6751 standards.
- An overfill indicator rises when the fuel tank is full to help your service technicians avoid spilling.
- An unique engine oil filter eliminates the need for painted metal cans and aluminum top plates. The cartridge-style spin-on housing enables the internal filter to be separated and replaced; the used internal element can be incinerated to help reduce waste.

Dimensions

All dimensions are approximate.



| Stick | Reach Boom 4.65 m (15'3") | | | | Power Offset Boom | | | |
|--------------------------------------|------------------------------|-------|------------------|-------|-------------------|-------|-------------------|--------|
| | R3.0 m (9'10") | | R2.8 m (9'2") | | R2.5 m (8'2") | | 2.13 m (6'11") | |
| 1 Shipping Height* | 3000 mm | 9'10" | 3030 mm | 9'11" | 3000 mm | 9'10" | 3000 mm | 9'10" |
| Shipping Height at Boom Top | 2750 mm | 9'0" | 3030 mm | 9'11" | 2820 mm | 9'3" | 2780 mm | 9'1" |
| Shipping Height with Guard Rail | 3000 mm | 9'10" | 3000 mm | 9'10" | 3000 mm | 9'10" | 3000 mm | 9'10" |
| Shipping Height with Top Guard | 2950 mm | 9'8" | 2950 mm | 9'8" | 2950 mm | 9'8" | 2950 mm | 9'8" |
| 2 Shipping Length | | | | | | | | |
| Long Undercarriage | 7450 mm | 24'5" | 7440 mm | 24'5" | 7450 mm | 24'5" | 7560 mm | 24'10" |
| Long Undercarriage with Blade | 8010 mm | 26'3" | 8010 mm | 26'3" | 8010 mm | 26'3" | 8120 mm | 26'8" |
| 3 Tail Swing Radius | | | | | | | | |
| Standard Counterweight | 1490 mm | 4'11" | 1490 mm | 4'11" | 1490 mm | 4'11" | 1490 mm | 4'11" |
| Heavy Counterweight | 1530 mm | 5'0" | 1530 mm | 5'0" | 1530 mm | 5'0" | 1530 mm | 5'0" |
| 4 Length to Center of Rollers | 3040 mm | 10'0" | 3040 mm | 10'0" | 3040 mm | 10'0" | 3040 mm | 10'0" |
| 5 Track Length | 3750 mm | 12'4" | 3750 mm | 12'4" | 3750 mm | 12'4" | 3750 mm | 12'4" |
| 6 Ground Clearance | 440 mm | 1'5" | 440 mm | 1'5" | 440 mm | 1'5" | 440 mm | 1'5" |
| 7 Track Gauge | 1990 mm | 6'6" | 1990 mm | 6'6" | 1990 mm | 6'6" | 1990 mm | 6'6" |
| 8 Transport Width | | | | | | | | |
| 500 mm (20") Shoes | 2490 mm | 8'2" | 2490 mm | 8'2" | 2490 mm | 8'2" | 2490 mm | 8'2" |
| 600 mm (24") Shoes | 2590 mm | 8'6" | 2590 mm | 8'6" | 2590 mm | 8'6" | 2590 mm | 8'6" |
| 700 mm (28") Shoes | 2690 mm | 8'10" | 2690 mm | 8'10" | 2690 mm | 8'10" | 2690 mm | 8'10" |
| 9 Cab Height | 2810 mm | 9'3" | 2810 mm | 9'3" | 2810 mm | 9'3" | 2810 mm | 9'3" |
| Cab Height with Top Guard | 2950 mm | 9'8" | 2950 mm | 9'8" | 2950 mm | 9'8" | 2950 mm | 9'8" |
| 10 Counterweight Clearance** | 860 mm | 2'10" | 860 mm | 2'10" | 860 mm | 2'10" | 860 mm | 2'10" |

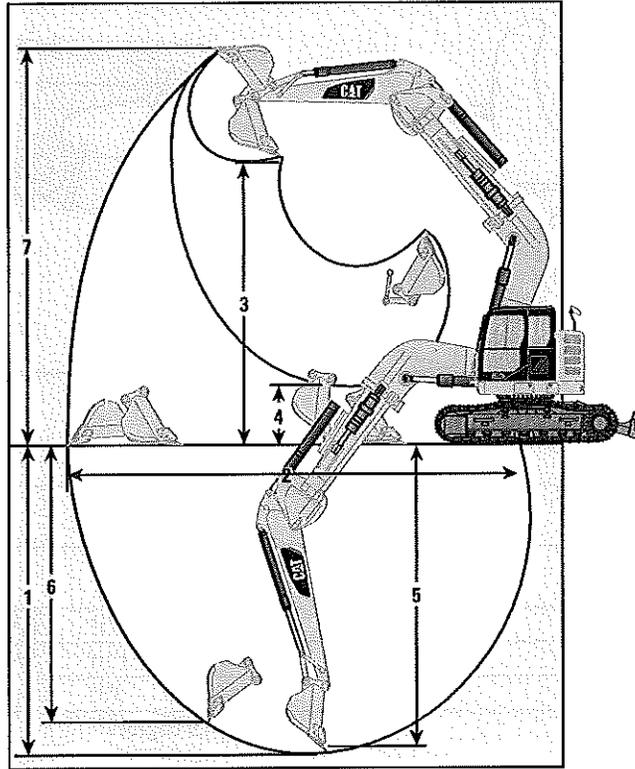
*Including shoe lug height.

**Without shoe lug height.

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

Working Ranges

All dimensions are approximate.



| Stick | Power Offset Boom | | | | | |
|---|--------------------|--------|-------------------|--------|---------------------|-------|
| | 2.13 m (6'11")* | | 2.13 m (6'11") | | 2.13 m (6'11")** | |
| 1 Maximum Digging Depth | 4510 mm | 14'10" | 4840 mm | 15'11" | 4480 mm | 14'8" |
| 2 Maximum Reach at Ground Level | 6890 mm | 22'7" | 7270 mm | 23'10" | 6850 mm | 22'6" |
| 3 Maximum Cutting Height | 8110 mm | 26'7" | 8450 mm | 27'9" | 8070 mm | 26'7" |
| 4 Maximum Loading Height | 5680 mm | 18'8" | 6020 mm | 19'9" | 5640 mm | 18'6" |
| 5 Minimum Loading Height | 2330 mm | 7'8" | 2680 mm | 8'10" | 2290 mm | 7'6" |
| 6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom | 4110 mm | 13'6" | 4450 mm | 14'7" | 4080 mm | 13'5" |
| 7 Maximum Vertical Wall Digging Depth | 3270 mm | 10'9" | 3550 mm | 11'8" | 3240 mm | 10'8" |

*Left side 1100 mm (3'7") offset position

**Right side 1150 mm (3'9") offset position

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

Major Component Weights

| | | |
|---|---------|-----------|
| Base Machine (with boom cylinder, without counterweight, front linkage and track) | 5040 kg | 11,110 lb |
| Long Undercarriage | 2660 kg | 5,870 lb |
| Counterweight | | |
| Standard – 3.06 mt (3.4 t) | 3060 kg | 6,750 lb |
| Heavy – 3.56 mt (3.9 t) | 3560 kg | 7,850 lb |
| Boom (includes lines, pins and stick cylinder) | | |
| Reach Boom – 4.65 m (15'3") | 1040 kg | 2,290 lb |
| Power Offset Boom | 1730 kg | 3,810 lb |
| Reach Boom for CGC – 4.65 m (15'3") | 1050 kg | 2,320 lb |
| Stick (includes lines, pins, bucket cylinder and bucket linkage) | | |
| R3.0 m (9'10") | 650 kg | 1,430 lb |
| R2.8 m (9'2") | 620 kg | 1,370 lb |
| R2.5 m (8'2") | 570 kg | 1,260 lb |
| 2.13 m (6'11") for Power Offset Boom | 570 kg | 1,260 lb |
| R3.0 m (9'10") for CGC | 650 kg | 1,430 lb |
| R3.0 m (9'10") for Thumb | 700 kg | 1,540 lb |
| Track Shoe (Long/per two tracks) | | |
| 500 mm (20") Triple Grouser | 1570 kg | 3,460 lb |
| 500 mm (20") Triple Grouser with Rubber Pad | 2080 kg | 4,590 lb |
| 600 mm (24") Triple Grouser | 1820 kg | 4,010 lb |
| 700 mm (28") Triple Grouser | 2090 kg | 4,610 lb |
| Blade | | |
| 2500 mm (8'2") | 810 kg | 1,790 lb |
| 2600 mm (8'6") | 810 kg | 1,790 lb |
| 2700 mm (8'10") | 820 kg | 1,810 lb |

All weights are rounded up to nearest 10 kg and lb. Kg and lb were rounded up separately so some of the kg and lb do not match.

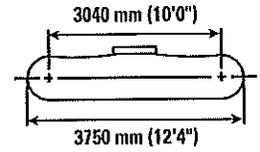
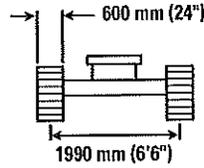
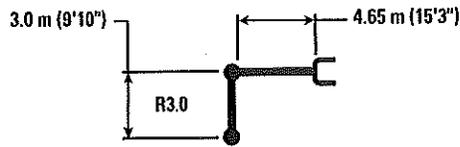
Base machine includes 75 kg (170 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

Bucket and Stick Forces

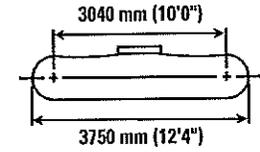
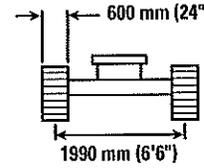
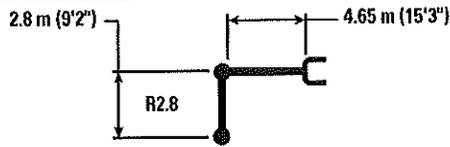
| Stick | Reach Boom 4.65 m (15'3") | | | | Power Offset Boom | | | |
|----------------------------|------------------------------|------------|---------------|------------|-------------------|------------|----------------|------------|
| | R3.0 m (9'10") | | R2.8 m (9'2") | | R2.5 m (8'2") | | 2.13 m (6'11") | |
| General Duty | | | | | | | | |
| Bucket Digging Force (SAE) | 85 kN | 19,200 lbf | 85 kN | 19,200 lbf | 85 kN | 19,200 lbf | 78 kN | 17,500 lbf |
| Stick Digging Force (SAE) | 57 kN | 12,800 lbf | 60 kN | 13,500 lbf | 64 kN | 14,300 lbf | 61 kN | 13,700 lbf |
| Severe Duty | | | | | | | | |
| Bucket Digging Force (SAE) | 84 kN | 18,800 lbf | 83 kN | 18,700 lbf | 83 kN | 18,700 lbf | 77 kN | 17,200 lbf |
| Stick Digging Force (SAE) | 57 kN | 12,800 lbf | 60 kN | 13,400 lbf | 63 kN | 14,200 lbf | 61 kN | 13,700 lbf |

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.

Reach Boom Lift Capacities – Heavy Counterweight: 3.56 mt (3.9 t) – Blade Down



| | | 1.5 m/5.0 ft | | 3.0 m/10.0 ft | | 4.5 m/15.0 ft | | 6.0 m/20.0 ft | | 7.5 m/25.0 ft | | m ft | | |
|--------------------|----------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|---------------|---------------|--|-----------------|-----------------|---------------|
| | | | | | | | | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | *2600 *2600 | | | | | | *2500 *5,600 | *2500 *5,600 | 4.54 14.33 |
| 6.0 m 20.0 ft | kg lb | | | | | *3450 *7,550 | *3450 *7,550 | *2350 *2350 | | | | *2100 *4,650 | *2100 *4,650 | 6.07 19.68 |
| 4.5 m 15.0 ft | kg lb | | | | | *3700 *8,050 | *3700 *8,050 | *3400 *7,400 | 3050 6,500 | | | *2000 *4,350 | *2000 *4,350 | 6.96 22.72 |
| 3.0 m 10.0 ft | kg lb | | | *5900 *12,700 | *5900 *12,700 | *4350 *9,450 | *4350 *9,450 | *3650 *7,900 | 2950 6,350 | | | *2000 *4,350 | *2000 *4,350 | 7.43 24.36 |
| 1.5 m 5.0 ft | kg lb | | | *8050 *17,350 | 7900 16,950 | *5150 *11,150 | 4300 9,200 | *3950 *8,550 | 2850 6,100 | | | *2100 *4,550 | 2000 4,400 | 7.58 24.88 |
| 0.0 m 0.0 ft | kg lb | | | *7350 *16,950 | *7350 15,950 | *5600 *12,100 | 4050 8,750 | *4100 *8,850 | 2750 5,850 | | | *2300 *5,050 | 2050 4,450 | 7.43 24.36 |
| -1.5 m -5.0 ft | kg lb | *4550 *10,150 | *4550 *10,150 | *8050 *17,450 | 7300 15,700 | *5400 *11,700 | 3950 8,500 | *3900 *8,400 | 2850 5,750 | | | *2700 *6,000 | 2200 4,850 | 6.94 22.73 |
| -3.0 m -10.0 ft | kg lb | *7550 *16,950 | *7550 *16,950 | *6450 *13,950 | *6450 *13,950 | *4500 *9,650 | 3950 8,550 | *2950 8,550 | 2700 | | | *2850 *6,300 | 2700 5,950 | 6.04 19.71 |
| -4.5 m -15.0 ft | kg lb | | | *3550 *7,350 | *3550 *7,350 | | | | | | | *2150 *4,500 | *2150 *4,500 | 4.49 14.39 |



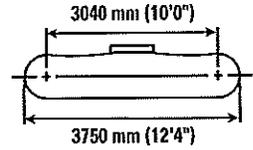
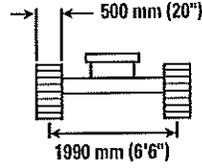
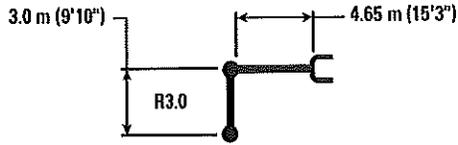
| | | 1.5 m/5.0 ft | | 3.0 m/10.0 ft | | 4.5 m/15.0 ft | | 6.0 m/20.0 ft | | 7.5 m/25.0 ft | | m ft | | |
|--------------------|----------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|---------------|---------------|--|-----------------|-----------------|---------------|
| | | | | | | | | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | *2750 *6,250 | *2750 *6,250 | 4.21 13.20 |
| 6.0 m 20.0 ft | kg lb | | | | | *3650 *7,950 | *3650 *7,950 | | | | | *2300 *5,100 | *2300 *5,100 | 5.83 18.88 |
| 4.5 m 15.0 ft | kg lb | | | | | *3850 *8,400 | *3850 *8,400 | *3500 *7,650 | 3050 6,500 | | | *2150 *4,750 | *2150 *4,750 | 6.75 22.03 |
| 3.0 m 10.0 ft | kg lb | | | *6300 *13,450 | *6300 *13,450 | *4550 *9,800 | *4550 9,750 | *3750 *8,100 | 2950 6,350 | | | *2150 *4,750 | *2150 *4,750 | 7.24 23.72 |
| 1.5 m 5.0 ft | kg lb | | | *8300 *17,900 | 7850 16,850 | *5300 *11,400 | 4250 9,200 | *4000 *8,700 | 2850 6,100 | | | *2250 *4,950 | 2100 4,600 | 7.39 24.26 |
| 0.0 m 0.0 ft | kg lb | | | *7050 *16,300 | *7050 15,950 | *5650 *12,200 | 4050 8,750 | *4150 *8,950 | 2750 5,900 | | | *2500 *5,500 | 2150 4,650 | 7.23 23.73 |
| -1.5 m -5.0 ft | kg lb | *4750 *10,600 | *4750 *10,600 | *7900 *17,100 | 7350 15,800 | *5400 *11,650 | 4000 8,550 | *3850 *8,300 | 2700 5,800 | | | *3000 *6,600 | 2350 5,100 | 6.73 22.05 |
| -3.0 m -10.0 ft | kg lb | *8100 *18,150 | *8100 *18,150 | *6200 *13,300 | *6200 *13,300 | *4350 *9,300 | 4000 8,600 | | | | | *2900 *6,350 | 2850 6,350 | 5.80 18.91 |
| -4.5 m -15.0 ft | kg lb | | | | | | | | | | | *2550 *5,600 | *2550 *5,600 | 3.66 |

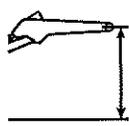
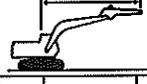


ISO 10567



Reach Boom Lift Capacities – Heavy Counterweight: 3.56 mt (3.9 t) – Blade Down with Rubber Pad



|  | 1.5 m/5.0 ft | | 3.0 m/10.0 ft | | 4.5 m/15.0 ft | | 6.0 m/20.0 ft | | 7.5 m/25.0 ft | |  | | m ft | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---------------|
| |  |  |  |  |  |  |  |  |  |  |  |  | | |
| 7.5 m 25.0 ft | kg lb | | | | | *2600 *2600 | | | | | | *2500 *5,600 | *2500 *5,600 | 4.54 14.33 |
| 6.0 m 20.0 ft | kg lb | | | | | *3450 *7,550 | *3450 *7,550 | *2350 *2350 | | | | *2100 *4,650 | *2100 *4,650 | 6.07 19.68 |
| 4.5 m 15.0 ft | kg lb | | | | | *3700 *8,050 | *3700 *8,050 | *3400 *7,400 | 3000 6,500 | | | *2000 *4,350 | *2000 *4,350 | 6.96 22.72 |
| 3.0 m 10.0 ft | kg lb | | | *5900 *12,700 | *5900 *12,700 | *4350 *9,450 | *4350 *9,450 | *3650 *7,900 | 2950 6,300 | | | *2000 *4,350 | *2000 *4,350 | 7.43 24.36 |
| 1.5 m 5.0 ft | kg lb | | | *8050 *17,350 | 7800 16,750 | *5150 *11,150 | 4250 9,150 | *3950 *8,550 | 2800 6,050 | *2500 2050 | | *2100 *4,550 | 2000 4,400 | 7.58 24.88 |
| 0.0 m 0.0 ft | kg lb | | | *7350 *16,950 | *7350 15,750 | *5600 *12,100 | 4050 8,650 | *4100 *8,850 | 2700 5,800 | | | *2300 *5,050 | 2000 4,450 | 7.43 24.36 |
| -1.5 m -5.0 ft | kg lb | *4550 *10,150 | *4550 *10,150 | *8050 *17,450 | 7250 15,500 | *5400 *11,700 | 3950 8,450 | *3900 *8,400 | 2650 5,700 | | | *2700 *6,000 | 2200 4,850 | 6.94 22.73 |
| -3.0 m -10.0 ft | kg lb | *7550 *16,950 | *7550 *16,950 | *6450 *13,950 | *6450 *13,950 | *4500 *9,650 | 3950 8,450 | *2950 *2950 | 2700 | | | *2850 *6,300 | 2650 5,900 | 6.04 19.71 |
| -4.5 m -15.0 ft | kg lb | | | *3550 *7,350 | *3550 *7,350 | | | | | | | *2150 *4,500 | *2150 *4,500 | 4.49 14.39 |



ISO 10567



Bucket Specifications and Compatibility

| | Width | | Capacity | | Weight | | Fill | Reach Booms | | | | POB** |
|--|-------|----|----------------|-----------------|--------|-------|------|-------------|-------------------|------------------|------------------|-------|
| | mm | in | m ³ | yd ³ | kg | lb | | % | R3.0 m (9'10") | R2.8 m (9'2") | R2.5 m (8'2") | |
| Without Quick Coupler | | | | | | | | | | | | |
| General Duty (GD) | 450 | 18 | 0.20 | 0.27 | 276 | 608 | 100 | ● | ● | ● | ● | ● |
| | 600 | 24 | 0.31 | 0.40 | 326 | 719 | 100 | ● | ● | ● | ● | ● |
| | 750 | 30 | 0.41 | 0.54 | 374 | 823 | 100 | ● | ● | ● | ● | ● |
| | 900 | 36 | 0.53 | 0.69 | 423 | 932 | 100 | ● | ● | ● | ● | ● |
| | 1050 | 42 | 0.65 | 0.84 | 469 | 1,034 | 100 | ⊙ | ⊙ | ● | ⊖ | x |
| | 1200 | 48 | 0.76 | 1.00 | 510 | 1,125 | 100 | x | x | x | x | x |
| Severe Duty (SD) | 600 | 24 | 0.31 | 0.40 | 367 | 810 | 90 | ● | ● | ● | ● | ● |
| | 750 | 30 | 0.41 | 0.54 | 425 | 936 | 90 | ● | ● | ● | ● | ● |
| | 900 | 36 | 0.53 | 0.69 | 483 | 1,065 | 90 | ● | ● | ● | ● | ● |
| | 1050 | 42 | 0.65 | 0.84 | 529 | 1,166 | 90 | ⊙ | ● | ● | ⊖ | x |
| Maximum load pin-on (payload + bucket) | | | | | | | kg | 1605 | 1690 | 1815 | 1555 | 2275 |
| | | | | | | | lb | 3,537 | 3,725 | 4,000 | 3,427 | 5,014 |

| | Width | | Capacity | | Weight | | Fill | Reach Booms | | | | POB** |
|--|-------|----|----------------|-----------------|--------|-------|------|-------------|-------------------|------------------|------------------|-------|
| | mm | in | m ³ | yd ³ | kg | lb | | % | R3.0 m (9'10") | R2.8 m (9'2") | R2.5 m (8'2") | |
| With Center-Lock Quick Coupler | | | | | | | | | | | | |
| General Duty (GD) | 450 | 18 | 0.20 | 0.27 | 276 | 608 | 100 | ● | ● | ● | ● | ● |
| | 600 | 24 | 0.31 | 0.40 | 326 | 719 | 100 | ● | ● | ● | ● | ● |
| | 750 | 30 | 0.41 | 0.54 | 374 | 823 | 100 | ● | ● | ● | ● | ● |
| | 900 | 36 | 0.53 | 0.69 | 423 | 932 | 100 | ⊙ | ⊙ | ● | ⊖ | ● |
| | 1050 | 42 | 0.65 | 0.84 | 469 | 1,034 | 100 | ○ | ⊖ | ⊖ | ○ | ● |
| | 1200 | 48 | 0.76 | 1.00 | 510 | 1,125 | 100 | ◇ | ○ | ○ | ◇ | ⊙ |
| Severe Duty (SD) | 600 | 24 | 0.31 | 0.40 | 367 | 810 | 90 | ● | ● | ● | ● | ● |
| | 750 | 30 | 0.41 | 0.54 | 425 | 936 | 90 | ● | ● | ● | ● | ● |
| | 900 | 36 | 0.53 | 0.69 | 483 | 1,065 | 90 | ⊙ | ● | ● | ○ | ● |
| | 1050 | 42 | 0.65 | 0.84 | 529 | 1,166 | 90 | ⊖ | ⊖ | ⊙ | ○ | ● |
| Maximum load with coupler (payload + bucket) | | | | | | | kg | 1359 | 1444 | 1569 | 1309 | 2029 |
| | | | | | | | lb | 2,996 | 3,183 | 3,459 | 2,885 | 4,472 |

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.

*Densities with 3.0 m (9'10") thumb stick do not consider thumb weight.

**POB installs blade as standard configuration.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- x Not recommended

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

Optional Equipment

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

CAB

- Seat, high-back air suspension with heater and cooling
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Right pedal
- Rain protector
- Cab mirror
- Ashtray

COUNTERWEIGHT

- 3.06 mt (3.4 t) without lifting eye
- 3.56 mt (3.9 t) without lifting eye

ELECTRICAL

- Cold weather battery -25° C (-13° F)
- Jump start receptacle

ENGINE

- Quick drains, engine and hydraulic oil

FRONT LINKAGE

- Quick coupler
- Bucket linkage
- 4.65 m (15'3") Reach Boom
- Power Offset Boom
- 2.13 m (6'11") stick for Power Offset Boom
- 2.5 m (8'2") stick
- 2.8 m (9'2") stick
- 3.0 m (9'10") stick
- 3.0 m (9'10") thumb-ready stick

HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Auxiliary hydraulics
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Quick coupler line
- Boom lowering and stick lowering control device
- Cat Bio hydraulic oil

LIGHTS

- Working light, cab mounted with time delay
- HID light, cab mounted with time delay
- Halogen boom lights (right side)

UNDERCARRIAGE

- 500 mm (20") triple grouser shoes
- 600 mm (24") triple grouser shoes
- 700 mm (28") triple grouser shoes
- Rubber pad for 500 mm (20") triple grouser shoes
- 2500 mm (8'2") blade with replaceable cutting edge
- 2600 mm (8'6") blade with replaceable cutting edge
- 2700 mm (8'10") blade with replaceable cutting edge
- Swivel guard

SECURITY

- FOGS, bolt-on
- Guard, cab front, mesh
- Guard, vandalism
- Security system fitted (MSS)
- Bottom guards, heavy duty
- Rearview camera

TECHNOLOGY

- Cat Grade Control Depth and Slope
- Product Link

