

325C L

Hydraulic Excavator



Engine

Engine Model	3126B ATAAC HEUI™ Fuel System	
Flywheel Power	140 kW	188 hp

Weights

Operating Weight - Long Undercarriage	28 600 kg	63,100 lb
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- R3.2 m (10'6") stick w/800 mm (32") shoe and 1.2 m³ (1.57 yd³) bucket.

325C L Hydraulic Excavator

The C Series incorporates innovations for improved performance and versatility.

Engine and Hydraulics

- ✓ New to the 325C L, the Cat® 3126B engine combines with proven hydraulics to give the 325C L consistently high power and control in the field. **pg. 4**

Structures

Rugged Caterpillar® undercarriage design and proven structural manufacturing techniques assure outstanding durability in the toughest applications. **pg. 5**

Booms and Sticks

Built for good performance and long service life, Caterpillar booms and sticks are large, welded, box-section structures with thick, multi-plate fabrications that resist high stress. Caterpillar offers several front combinations that meet various demands. **pg. 6**

Complete Customer Support

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement. **pg. 11**

Increased work tool options, new powerful engine and easier operation lead to increased productivity and lower operating costs.



Operator Station

- ✓ The 325C L operator work station is quiet with ergonomic control placement and convenient adjustments, low lever and pedal effort, ergonomic seat design, and highly efficient ventilation. **pg. 7**

Work Tools - Attachments

- ✓ The 325CL provides greater versatility by offering factory installed auxiliary hydraulics, couplers, and a variety of bucket types, and sizes. **pg. 8**

Serviceability

Longer service intervals and easier maintenance results in better machine availability and lower owning and operating costs. **pg. 10**



✓ *New Feature*

Engine and Hydraulics

Cat 3126B engine and hydraulics give the 325C L exceptional power, efficiency and controllability unmatched in the industry for consistently high performance in all applications.



Engine. Six cylinder turbocharged engine built for power, reliability, economy, and low emissions will keep the machine up and running. The Cat 3126B engine meets Tier 2 worldwide emissions requirements.

Automatic Engine Speed Control.

The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.

Low Sound, Low Vibration. The 3126B design improves operator comfort by reducing sound and vibration.

Electronic Control Module. The Electronic Control Module (ECM) works as the “brain” of the engine’s control system, responding quickly to operating variables to maximize engine efficiency. Fully integrated with sensors in the engine’s fuel, air, coolant, and exhaust systems, the ECM stores and relays information on conditions such as rpm, fuel consumption, and diagnostic information.

Hydraulic Cross Sensing System.

Improves productivity with faster implement speeds and quicker, stronger pivot turns.

Fine Swing Control. Fine swing control cushions swing start and stop for better implement control.

Hydraulic Cylinder Snubbers. The hydraulic cylinder snubbers at rod-end of boom cylinders and both ends of stick cylinder cushion shocks, reduce sound, and increase cylinder life, keeping the machine working longer.

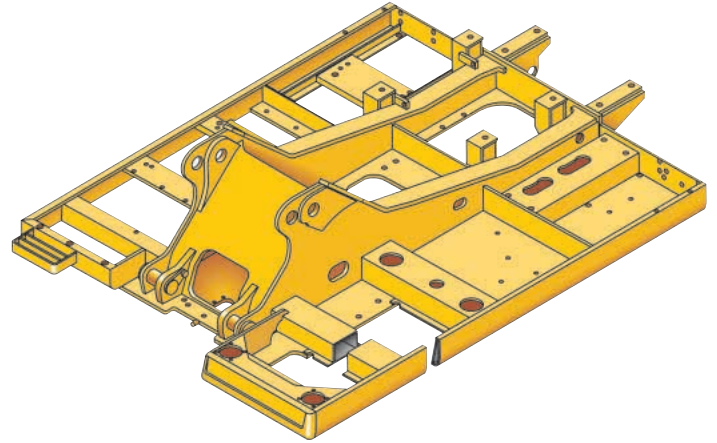
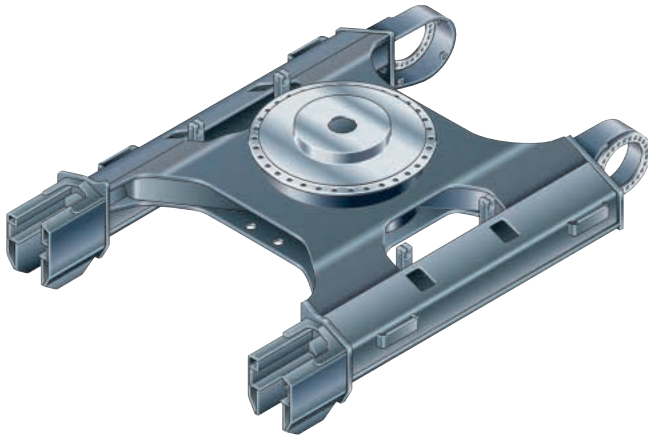
Controllability. The hydraulic system offers precise control to the 325C L, reducing operator fatigue, improving operator effectiveness, and efficiency, which ultimately translates into enhanced performance.

Boom and Stick Regeneration Circuit.

Boom and stick regeneration circuit increases efficiency and reduces cycle times for higher productivity and lower operating costs.

Structures

325C L structural components and undercarriage are the backbone of the machine's durability.



Robotic Welding. Up to 95% of the structural welds on a Caterpillar Excavator are completed by robots. Robotic welds achieve up to three times the penetration of manual welds.

Carbody Design and Track Roller Frames. X-shaped, box-section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units that deliver exceptional strength and service life.

Main Frame. Rugged main frame is designed for maximum durability and efficient use of materials.

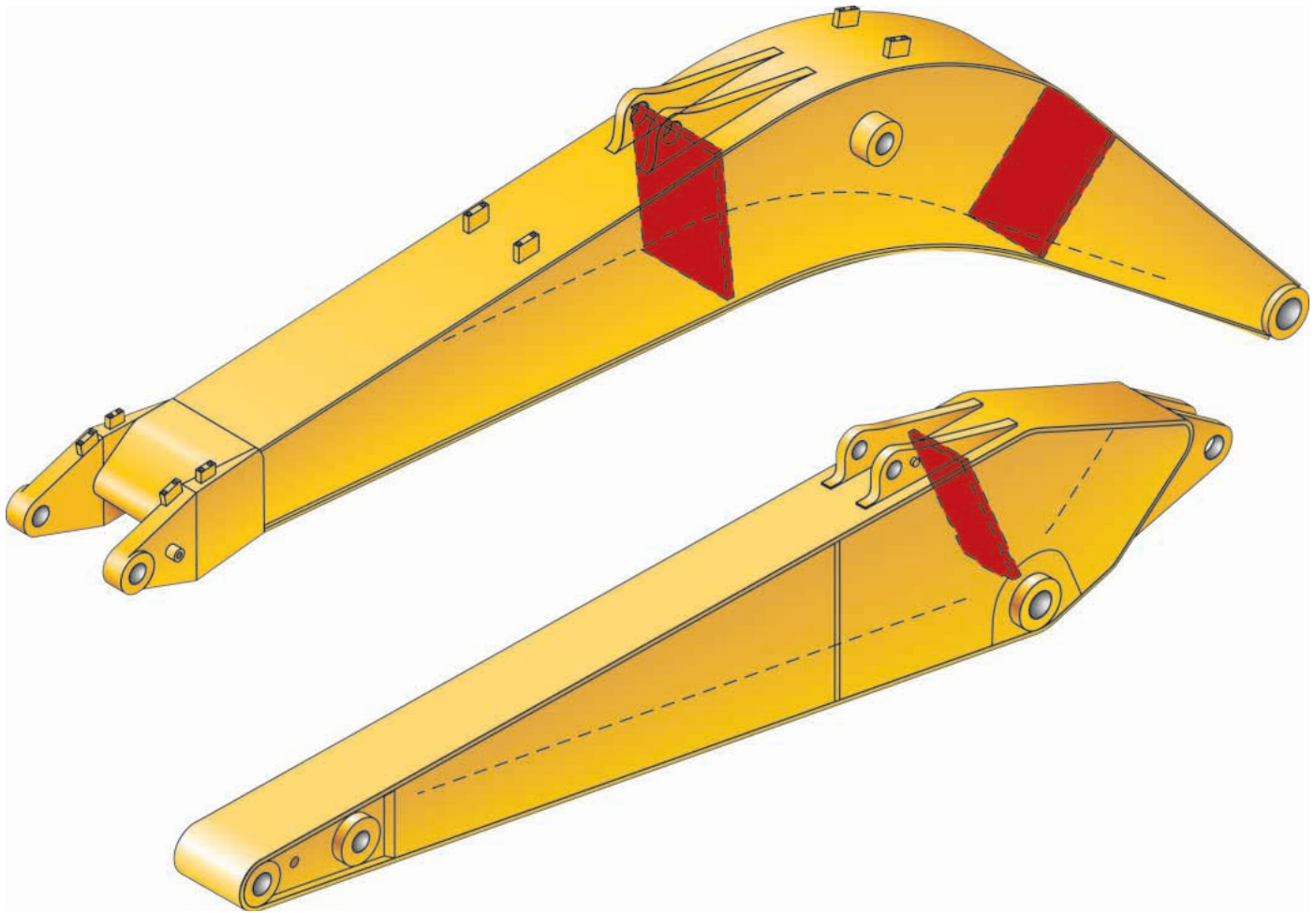
Undercarriage. Durable Cat undercarriage absorbs stresses and provides excellent stability.

Rollers and Idlers. Sealed and lubricated track rollers, carrier rollers, and idlers provide excellent service life, that keeps the machine in the field longer.

Long Undercarriage. The long (L) undercarriage maximizes stability and lift capacity. This long, wide, and sturdy undercarriage offers a very stable work platform.

Booms and Sticks

Built for performance and long service life, Caterpillar booms and sticks are large, welded, box-section structures with thick, multi-plate fabrications in high-stress areas.



Reach Boom. The reach boom features an optimum design that maximizes digging envelopes with two stick choices.

R3.2C Stick. The C-family bucket associated with the R3.2C Stick has enough capacity for excellent reach and depth in trenching and general construction applications.

R2.65C Stick. The R2.65C Stick is suited to high-capacity buckets used in trenching, excavation, and other general construction work. It has been designed with enough reach and depth to match a large-capacity bucket and high digging force.

Mass Excavation Boom. The mass excavation boom maximizes productivity. The mass version offers significantly higher digging forces and allows use of larger buckets.

M3.2C Stick. The M3.2C stick gives the largest working envelope with the Mass Boom and C-family buckets.

M2.5D Stick. The M2.5D stick has been specifically designed for large earth moving applications and uses D-family buckets.

Operator Station

Redesigned interior layout maximizes operator space and provides exceptional comfort.

Operator Station. The 325C L operator work station is quiet with ergonomic control placement and convenient adjustments, low lever and pedal effort, ergonomic seat design and highly efficient ventilation.

Redesigned Layout. Redesigned cab layout emphasizes simplicity and ease of use. Right-hand wall and console provide easy access to all switches, dials, and controls.

Console. Redesigned consoles feature simplicity and functionality. Both consoles have attached adjustable armrests.

Automatic Climate Control. Fully automatic climate control adjusts temperature and flow, and determines which air outlet is best in each situation with a touch of a button.

Upper Cab Door Window. The upper cab door window slides open, to provide extra ventilation, and allow communication with people outside.

Skylight. A large polycarbonate skylight delivers excellent natural lighting and ventilation. Standard sliding sunshade protects the operator from direct sunlight.

Cab Attachments. A variety of cab attachments are available for additional functionality, comfort and security.



Windshield. The upper front windshield opens, closes, and stores below the roof above the operator. Grips on the mid-lower part of the front windshield make opening easy.

Monitor. New, compact monitor enhances viewing while displaying a variety of easy to read and understand language-based information.

Work Tools - Attachments

Increased offerings of work tools help optimize machine performance.



Heavy-Duty (HD) Buckets. Heavy-duty buckets are for digging in moderate to hard material and feature large ground engaging tools, thick cutting edges and thick bottom and side wear plates to improve performance in demanding conditions.



Quick Couplers. The Pin Grabber Plus and the Dedicated Hydraulic Quick Coupler enhances machine versatility by enabling the rapid change over of a wide range of work tools in the field.

General Purpose (GP) Buckets. General Purpose Buckets are best for digging in soft to hard ground with low to moderately abrasive materials.

Ditch Cleaning (DC) Buckets. These wide shallow buckets are best for bank forming, ditch cleaning, and finishing.

Heavy-Duty Rock (HDR) Buckets. Heavy-Duty Rock Buckets perform best when digging fragmented rock, frozen ground, caliche, and highly abrasive materials.

Heavy-Duty Power (HDP) Buckets. Designed to improve breakout force and machine cycle times, the Heavy Duty Power Bucket (HDP) compliments the General Purpose, Heavy Duty, and Heavy Duty Rock bucket lines.

Monitor. With the optional tool control system, up to five different tool settings may be pre-programmed and selected from the electronic controller through the monitor.



Multi-processor

Work Tools. Choose from a variety of work tools such as hammers, shears, thumbs, rotators, grapples, or crushers. Ask your Cat dealer for information on attachments or special configurations.



Hammer



Tool Control System. The optional Tool Control System works with a variety of tools and uses either standard or attachment controls to maximize work tool productivity and configure hydraulic flow, pressure, and operator controls, matching up to five preprogrammed work tool settings. Factory installed hammer and thumb circuits are also available as attachments.



Thumb

Serviceability

Simplified service and maintenance features save you time and money.



Extended Service Interval. 325C L service and maintenance intervals have been extended to reduce machine service time and increase machine availability.

Radiator Compartment. The left rear service door allows easy access to the engine radiator. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

Air Filter Compartment. The air filter features a double-element construction for superior cleaning efficiency. When the air cleaner plugs, a warning is displayed on the monitor screen inside the cab.

Ground Level Service. The design and layout of the 325C L was made with the service technician in mind. Many service locations are easily accessible at ground level allowing critical maintenance to get done quickly and efficiently.

Pump Compartment. A service door on the right side of the upper structure allows ground-level access to the pump and pilot filter.

Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. This filter prevents contaminants from entering the system when hydraulic oil is changed and keeps the operation clean.

Diagnostics and Monitoring. The 325C L is equipped with S•O•SSM sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant. A test connection for the Electronic Technician (ET) service tool is located behind the cab.

Anti-Skid "Punched-Star" Plate.

Anti-skid punched-star plate covers top of storage box and upper structure to prevent slipping during maintenance. The plate can be removed for cleaning.

Fan Guard. Engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.

Greasing Points. A concentrated remote greasing block on the boom delivers grease to hard-to-reach locations on the front.

Complete Customer Support

Cat dealer services help you operate longer with lower costs.

Selection. Make detailed comparisons of the machines you are considering before you buy. What are the job requirements? What production is needed? What is the true cost of lost production? Your Cat dealer can give you precise answers to these questions.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has training literature and other ideas to help you increase productivity.

Maintenance. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as Scheduled Oil Sampling and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild, or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine down time. Save money with remanufactured components.



Engine

Engine Model	3126B ATAAC HEUI™ Fuel System	
Flywheel Power	140 kW	188 hp
ISO 9249	140 kW	188 hp
SAE J1349	139 kW	186 hp
EEC 80/1269	140 kW	188 hp
Bore	110 mm	4.33 in
Stroke	127 mm	5 in
Displacement	7.2 L	440 in ³

- Meets Tier 2 Worldwide emissions requirements.

Weights

Operating Weight - Long Undercarriage	28 600 kg	63,100 lb
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- R3.2 m (10'6") stick w/800 mm (32") shoe and 1.2 m³ (1.57 yd³) bucket.

Service Refill Capacities

Fuel Tank Capacity	500 L	132 gal
Cooling System	30 L	7.9 gal
Engine Oil	34 L	9 gal
Swing Drive	10 L	2.6 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System (including tank)	310 L	82 gal
Hydraulic Tank	145 L	38 gal

Sound Performance

Performance	ANSI/SAE
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- The operator sound exposure L_{eq} (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 74 dB(A), for the cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- 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	SAE J1026 APR90
Cab/FOGS	SAE J1356 FEB88 ISO 10262

Hydraulic System

Main Implement System - Maximum Flow (2x)	235 L/min	62 gal/min
Max. pressure - Implements (Full Time)	34 300 kPa	4,974 psi
Max. pressure - Travel	34 300 kPa	4,974 psi
Max. pressure - Swing	27 500 kPa	3,988 psi
Pilot System - Maximum flow	36 L/min	10 gal/min
Pilot System - Maximum pressure	4120 kPa	597 psi
Boom Cylinder - Bore	140 mm	5.51 in
Boom Cylinder - Stroke	1407 mm	55 in
Stick Cylinder - Bore	150 mm	5.91 in
Stick Cylinder - Stroke	1646 mm	65 in
C Family Bucket Cylinder - Bore	130 mm	5.12 in
C Family Bucket Cylinder - Stroke	1156 mm	46 in
D Family Bucket Cylinder - Bore	150 mm	5.91 in
D Family Bucket Cylinder - Stroke	1156 mm	46 in

Drive

Maximum Drawbar Pull	244 kN	54,853 lb
Maximum Travel Speed	5.3 kph	3.3 mph

Swing Mechanism

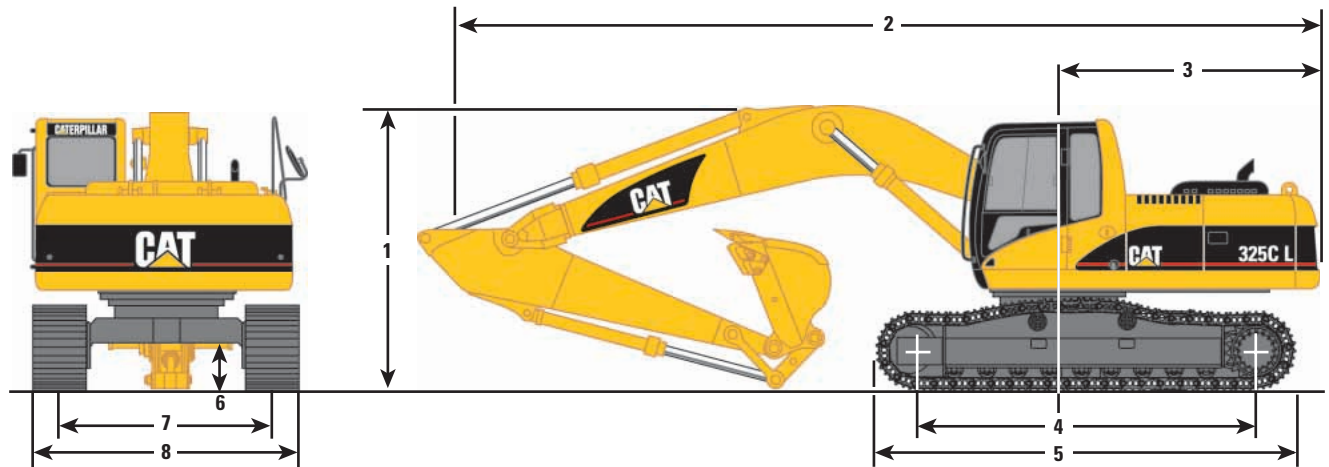
Swing Speed	10.2 RPM	
Swing Torque	82.2 kN.m	60,628 lb ft

Track

Standard w/Long Undercarriage	800 mm	32 in
Optional	700 mm	28 in

Dimensions

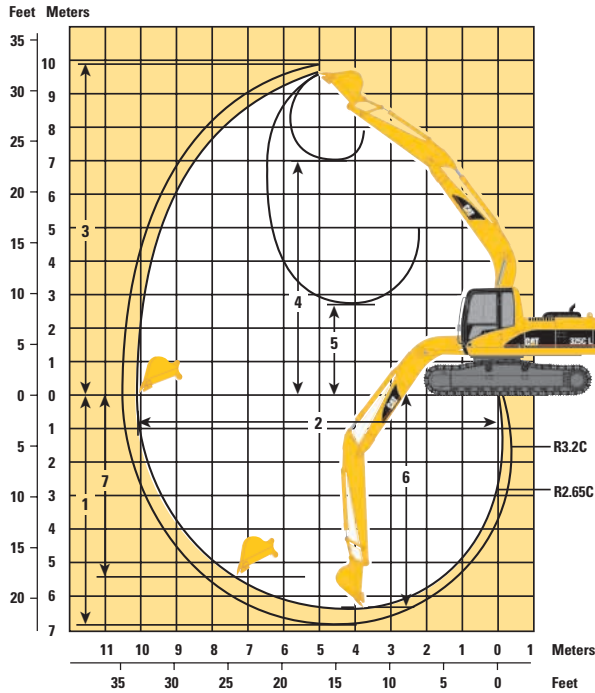
All dimensions are approximate.



Boom Options	Reach — 6.15 m (20'2")	Reach — 6.15 m (20'2")	Mass — 5.55 m (18'2")	Mass — 5.55 m (18'2")
Stick Options	R3.2C m (10'6")	R2.65C m (8'8")	M3.2C m (10'6")	M2.5D m (8'2")
1 Shipping height	3320 mm (10'11")	3260 mm (10'8")	3310 mm (10'10")	3400 mm (11'2")
2 Shipping length	10 340 mm (33'11")	10 340 mm (33'11")	9720 mm (31'11")	9780 mm (32'1")
3 Tail swing radius	3050 mm (10'0")	3050 mm (10'0")	3050 mm (10'0")	3050 mm (10'0")
4 Length to centers of rollers (tumbler) Long undercarriage	3800 mm (12'6")	3800 mm (12'6")	3800 mm (12'6")	3800 mm (12'6")
5 Track length Long undercarriage	4660 mm (15'3")	4660 mm (15'3")	4660 mm (15'3")	4660 mm (15'3")
6 Ground clearance	480 mm (1'7")	480 mm (1'7")	480 mm (1'7")	480 mm (1'7")
7 Track gauge Long undercarriage	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")
8 Shipping width — long with standard shoe 800 mm (32")	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")
Shipping width — long with optional shoe 700 mm (28")	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")

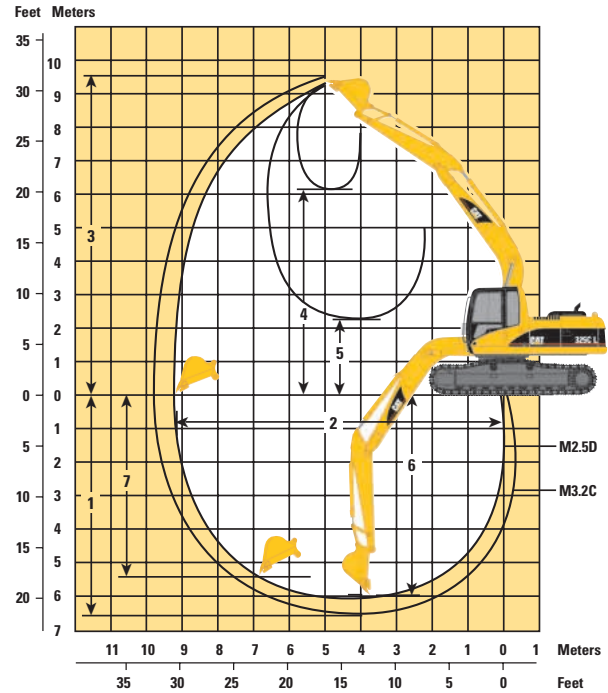
Reach Excavator Working Ranges

Reach (R) boom configuration



Mass Excavator Working Ranges

Mass (M) boom configuration



Boom Options

Reach
6.15 m (20'2")

Reach
6.15 m (20'2")

Mass
5.55 m (18'2")

Mass
5.55 m (18'2")

Stick Options

R3.2C m (10'6")

R2.65C m (8'8")

M3.2C m (10'6")

M2.5D m (8'2")

	Reach 6.15 m (20'2")	Reach 6.15 m (20'2")	Mass 5.55 m (18'2")	Mass 5.55 m (18'2")
	R3.2C m (10'6")	R2.65C m (8'8")	M3.2C m (10'6")	M2.5D m (8'2")
1 Maximum Digging Depth	7090 mm (23'3")	6540 mm (21'5")	6540 mm (21'5")	6010 mm (19'9")
2 Maximum Reach at Ground Level	10 510 mm (34'6")	10 010 mm (32'10")	9880 mm (32'5")	9340 mm (30'8")
3 Maximum Cutting Height	9950 mm (32'8")	9740 mm (31'11")	9430 mm (30'11")	9230 mm (30'3")
4 Maximum Loading Height	7110 mm (23'4")	6890 mm (22'7")	6680 mm (21'11")	6090 mm (20'0")
5 Minimum Loading Height	2450 mm (8'0")	3000 mm (9'10")	2030 mm (6'8")	2560 mm (8'5")
6 Maximum Depth Cut for 2440 mm (8') Level Bottom	6920 mm (22'8")	6350 mm (20'10")	6380 mm (20'11")	5820 mm (19'1")
7 Maximum Vertical Wall Digging Depth	6400 mm (21'0")	5840 mm (19'2")	5120 mm (16'10")	5190 mm (17'0")

325C L Bucket and Stick Forces

Power Buckets

Bucket Digging Force (ISO)	183 kN (41,100 lb)	181 kN (40,800 lb)	183 kN (41,100 lb)	224 kN (50,400 lb)
	(SAE) 161 kN (36,200 lb)	160 kN (35,900 lb)	161 kN (36,200 lb)	199 kN (44,600 lb)
Stick Digging Force (ISO)	120 kN (27,000 lb)	138 kN (31,100 lb)	120 kN (27,000 lb)	145 kN (32,600 lb)
	(SAE) 116 kN (26,200 lb)	134 kN (30,100 lb)	116 kN (26,200 lb)	140 kN (31,500 lb)

HD and HDR Buckets

Bucket Digging Force (ISO)	164 kN (36,800 lb)	163 kN (36,500 lb)	164 kN (36,800 lb)	202 kN (45,500 lb)
	(SAE) 145 kN (32,500 lb)	144 kN (32,300 lb)	145 kN (32,500 lb)	179 kN (40,300 lb)
Stick Digging Force (ISO)	118 kN (26,500 lb)	136 kN (30,500 lb)	118 kN (26,500 lb)	142 kN (31,900 lb)
	(SAE) 114 kN (25,700 lb)	131 kN (29,500 lb)	114 kN (25,700 lb)	137 kN (30,800 lb)

General Purpose Buckets

Bucket Digging Force (ISO)	146 kN (32,800 lb)	145 kN (32,600 lb)	146 kN (32,800 lb)	184 kN (41,400 lb)
	(SAE) 133 kN (29,900 lb)	132 kN (29,800 lb)	133 kN (29,900 lb)	168 kN (37,800 lb)
Stick Digging Force (ISO)	113 kN (25,500 lb)	130 kN (29,100 lb)	113 kN (25,500 lb)	137 kN (30,700 lb)
	(SAE) 111 kN (24,900 lb)	126 kN (28,400 lb)	111 kN (24,900 lb)	132 kN (29,700 lb)

325C L Bucket Specifications and Compatibility

	Capacity*		Width		Tip Radius		Weight (w/o tips)		Teeth Qty	Reach 6.15 m		Mass 5.55 m	
	m ³	yd ³	mm	in	mm	in	kg	lb		R3.2C	R2.65C	M3.2C	M2.5D
C-Buckets													
General Purpose	0.8	1.12	775	30	1778	70.0	803	1767	3	●	●	●	-
	1.10	1.50	948	36	1778	70.0	890	1958	5	●	●	●	-
	1.30	1.75	1098	42	1778	70.0	951	2092	5	●	●	●	-
	1.60	2.12	1248	48	1778	70.0	1046	2301	6	●	●	●	-
	1.90	2.50	1395	54	1778	70.0	1116	2455	7	○	●	●	-
Heavy Duty (HD)	0.70	0.88	775	30	1638	64.5	792	1742	3	●	●	●	-
	0.90	1.25	948	36	1638	64.5	888	1954	4	●	●	●	-
	1.10	1.50	1098	42	1638	64.5	962	2116	5	●	●	●	-
	1.30	1.75	1248	48	1638	64.5	1037	2281	5	●	●	●	-
	1.50	2.00	1395	54	1638	64.5	1119	2462	6	●	●	●	-
	1.70	2.25	1522	60	1638	64.5	1195	2629	7	●	●	●	-
Heavy Duty Rock (HDR)	0.70	0.88	775	30	1638	64.5	918	2024	3	○	○	●	-
	0.90	1.25	948	36	1638	64.5	1000	2200	4	●	●	●	-
	1.10	1.50	1098	42	1638	64.5	1084	2385	5	●	●	●	-
	1.30	1.75	1248	48	1638	64.5	1168	2570	5	●	●	●	-
Heavy Duty Power (HDP)	1.15	1.50	1098	42	1550	61.0	1008	2218	5	●	●	●	-
	1.34	1.75	1248	48	1550	61.0	1083	2383	5	●	●	●	-
	1.53	2.00	1395	54	1550	61.0	1177	2589	6	●	●	●	-
Ditch Cleaning (DC)	1.10	1.50	1676	66	1132	45.0	813	1789		●	●	●	-
	1.20	1.62	1829	72	1132	45.0	860	1892		●	●	●	-
D-Buckets													
General Purpose	0.80	1.12	775	30	1854	73.0	947	2083	3	-	-	-	●
	1.10	1.50	925	36	1854	73.0	1024	2253	3	-	-	-	●
	1.40	1.88	1098	42	1854	73.0	1116	2455	5	-	-	-	●
	1.70	2.25	1246	48	1854	73.0	1146	2521	5	-	-	-	●
	1.90	2.50	1400	55	1854	73.0	1192	2622	5	-	-	-	●
	2.20	3.00	1540	60	1854	73.0	1400	3080	6	-	-	-	●
Heavy Duty (HD)	0.70	1.00	775	30	1764	69.0	875	1925	3	-	-	-	●
	0.90	1.25	925	36	1764	69.0	968	2130	3	-	-	-	●
	1.20	1.50	1098	42	1764	69.0	1079	2374	4	-	-	-	●
	1.40	1.88	1246	48	1764	69.0	1206	2653	5	-	-	-	●
	1.60	2.12	1400	55	1764	69.0	1306	2873	5	-	-	-	●
	1.80	2.50	1540	60	1764	69.0	1407	3095	6	-	-	-	●
	2.00	2.75	1695	66	1764	69.0	1493	3285	6	-	-	-	●
	2.20	3.00	1820	72	1764	69.0	1620	3564	7	-	-	-	○
Heavy Duty Rock (HDR)	0.90	1.25	925	36	1764	69.0	1247	2743	3	-	-	-	●
	1.20	1.50	1098	42	1764	69.0	1294	2847	4	-	-	-	●
	1.40	1.88	1246	48	1764	69.0	1437	3161	5	-	-	-	●
	1.60	2.12	1400	55	1764	69.0	1553	3417	5	-	-	-	●
Heavy Duty Power (HDP)	1.00	1.25	925	36	1660	65.3	1026	2257	3	-	-	-	●
	1.40	1.88	1246	48	1660	65.3	1255	2761	5	-	-	-	●
	1.60	2.12	1400	54	1660	65.3	1342	2952	5	-	-	-	●
	1.80	2.50	1540	60	1660	65.3	1450	3189	6	-	-	-	●
Ditch Cleaning (DC)	1.70	2.25	1676	66	1424	56.0	1192	2622		-	-	-	●
	1.80	2.50	1829	72	1424	56.0	1239	2726		-	-	-	●

Assumptions for maximum material density rating:

1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor

* Capacities based on SAE J296. Some calculations of capacity fall on borderlines. Rounding may allow two buckets to have the same English rating, but different metric ratings.

- 2100 kg/m³ (3500 lbs/yd³)
- 1800 kg/m³ (3000 lbs/yd³)
- 1500 kg/m³ (2500 lbs/yd³)
- ∴ 1200 kg/m³ (2000 lbs/yd³)
- Not Available

Mass Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

M3.2C STICK – 3200 mm (10'6")
BUCKET – 1.1 m³ (1.5 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 5550 mm (18'2")

		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 *5750	*2600 *5750	8.39 27.20
6.0 m 20.0 ft	kg lb									*5150 *10,500	*5150 *10,500	*2500 *5500	*2500 *5500	9.32 30.41
4.5 m 15.0 ft	kg lb							*7550 *16,400	7450 16,000	*6600 *13,850	5050 10,800	*2500 *5500	*2500 *5500	9.85 32.26
3.0 m 10.0 ft	kg lb			*17 400 *37,000	*17 400 *37,000	*11 250 *24,250	*11 250 *24,250	*8850 *19,200	7100 15,300	7400 15,800	4900 10,450	*2600 *5700	*2600 *5700	10.07 33.04
1.5 m 5.0 ft	kg lb			*7500 *17,850	*7500 *17,850	*14 000 *30,150	10 550 22,700	*10 250 *22,150	6750 14,500	7200 15,400	4700 10,100	*2800 *6150	*2800 *6150	10.01 32.85
Ground Line	kg lb			*8400 *19,300	*8400 *19,300	*15 600 *33,750	10 050 21,550	10 050 21,600	6450 13,900	7050 15,100	4550 9800	*3150 *6900	3100 6800	9.65 31.67
-1.5 m -5.0 ft	kg lb	*7250 *16,200	*7250 *16,200	*12 500 *28,450	*12 500 *28,450	*15 900 *34,450	9850 21,100	9900 21,200	6300 13,550	6950 14,900	4500 9650	*3700 *8150	3500 7650	8.97 29.38
-3.0 m -10.0 ft	kg lb	*12 100 *27,150	*12 100 *27,150	*18 950 *43,150	*18 950 *42,950	*14 950 *32,250	9850 21,150	9900 21,250	6300 13,600			*4750 *10,500	4350 9650	7.85 25.62
-4.5 m -15.0 ft	kg lb			*17 350 *37,100	*17 350 *37,100	*12 150 *25,900	10 100 21,750					*8250 *18,100	6600 14,800	5.98 19.34

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

M2.5D STICK – 2500 mm (8'2")
BUCKET – 1.4 m³ (1.88 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 5550 mm (18'2")

		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											*3950 *8700	*3950 *8700	7.34 23.72
6.0 m 20.0 ft	kg lb							*7350 *16,000	7300 15,600			*3800 *8300	*3800 *8300	8.40 27.37
4.5 m 15.0 ft	kg lb					*9750 *21,450	*9750 *21,450	*8200 *17,800	7050 15,100	*7150 *14,350	4700 10,050	*3800 *8400	3450 7650	8.99 29.41
3.0 m 10.0 ft	kg lb					*12 400 *26,650	10 750 23,150	*9400 *20,350	6750 14,450	7050 15,100	4550 9750	*4000 *8800	3200 7050	9.22 30.26
1.5 m 5.0 ft	kg lb					*14 650 *31,600	10 000 21,500	10 000 21,450	6400 13,750	6900 14,750	4450 9500	*4350 *9550	3150 6950	9.15 30.03
Ground Line	kg lb					*15 600 *33,800	9600 20,650	9750 20,900	6150 13,250	6800 14,550	4350 9250	*4950 *10,900	3400 7450	8.76 28.73
-1.5 m -5.0 ft	kg lb	*19,050	*19,050	*14 200 *32,350	*14 200 *32,350	*15 300 *33,100	9550 20,500	9650 20,700	6100 13,050			*6000 *13,200	3950 8700	7.99 26.17
-3.0 m -10.0 ft	kg lb			*19 100 *41,350	*19 100 *41,350	*13 600 *29,350	9700 20,800	*9750 *20,800	6200 13 300			*5450 *11,750	5400 *11,750	6.71 21.83
-4.5 m -15.0 ft	kg lb					*9400 *20,700	*9400 *20,700					*8350 *20,500	*8350 *20,500	4.86 14.46

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Reach Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



















Load at Maximum Reach

R3.2C STICK – 3200 mm (10'6")
BUCKET – 1.1 m³ (1.5 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 6150 mm (20'2")













	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)		9.0 m (30.0 ft)				m ft	
																
7.5 m 25.0 ft	kg lb													*2650 *5800	*2650 *5800	9.16 29.79
6.0 m 20.0 ft	kg lb								*5950 *13,000	5200 11,150				*2550 *5600	*2550 *5600	10.00 32.68
4.5 m 15.0 ft	kg lb							*7300 *15,800	*7300 15,750	*6600 *14,350	5000 10,700	*4850 *10,650	3600 7950	*2550 *5650	*2550 *5650	10.49 34.38
3.0 m 10.0 ft	kg lb					*11 600 *24,850	10 950 23,600	*8700 *18,850	6950 14,950	7300 15,650	4850 10,350	5350 11,450	3500 7450	*2650 *5850	2650 5800	10.70 35.10
1.5 m 5.0 ft	kg lb					*14 150 *30,500	10 150 21,800	*10 100 21,800	6550 14,100	7100 15,200	4650 9950	5250 11,250	3400 7250	*2850 *6250	2600 5700	10.64 34.92
Ground Line	kg lb			*4600 *10,600	*4600 *10,600	*15 500 *33,550	9700 20,850	9850 21,150	6300 13,500	6900 14,850	4500 9600	5150 11,100	3350 7150	*3150 *6900	2700 5950	10.31 33.83
-1.5 m -5.0 ft	kg lb	*5300 *11,850	*5300 *11,850	*8700 *19,700	*8700 *19,700	*15 700 33,800	9550 20,500	9700 20,800	6150 13,200	6850 14,650	4400 9450			*3650 *8000	3000 6600	9.69 31.74
-3.0 m -10.0 ft	kg lb	*9650 *21,650	*9650 *21,650	*14 000 *31,750	*14 000 *31,750	*14 950 *32,300	9600 20,650	9700 20,800	6150 13,250	6850 14,700	4400 9500			*4450 *9850	3650 8050	8.69 28.37
-4.5 m -15.0 ft	kg lb			*18 100 *39,000	*18 100 *39,000	*12 950 *27,800	9850 21,150	*9500 *20,200	6300 13,600					*4150 *8850	*4150 *8850	7.12 23.05

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

R2.65C STICK – 2650 mm (8'8")
BUCKET – 1.1 m³ (1.5 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 6150 mm (20'2")

	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								*3350 *7400	*3350 *7400	8.55 27.76
6.0 m 20.0 ft	kg lb					*15,250 *15,250	*15,250 15,550	*6550 *13,450	5150 11,050	*3250 *7150	9.46 30.89
4.5 m 15.0 ft	kg lb					*8050 *17,350	7250 15,550	*7100 *15,500	4950 10,600	*3250 *7150	9.99 32.70
3.0 m 10.0 ft	kg lb			*12 750 *27,350	10 700 23,050	*9350 *20,250	6850 14,750	7250 15,600	4800 10,300	*3350 *7400	10.20 33.47
1.5 m 5.0 ft	kg lb			*14 950 *32,250	10 000 21,500	10 100 21,700	6500 14,050	7100 15,200	4650 9950	*3600 *7850	10.14 33.28
Ground Line	kg lb			*15 800 34,100	9650 20,750	9850 21,150	6300 13,550	6950 14,900	4500 9650	*3950 *8650	9.79 32.12
-1.5 m -5.0 ft	kg lb	*8950 *20,350	*8950 *20,350	*15 550 *33,750	9650 20,650	9750 20,950	6200 13,350	6900 14,800	4450 9600	*4550 *10,000	9.12 29.88
-3.0 m -10.0 ft	kg lb	*16 050 *36,550	*16 050 *36,550	*14 400 *31,100	9750 20,950	9800 21,050	6250 13,500			*5000 *10,850	8.03 26.21
-4.5 m -15.0 ft	kg lb	*16 000 *34,300	*16 000 *34,300	*11 800 *25,200	10 050 21,650	*8350 *18,400	6500 14,350			*7900 *17,400	6.16 19.95

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Standard Equipment

Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.

Electrical

- Alternator, 65A
- Horn, Signaling/Warning
- Travel Alarm
- Working Light, Frame Mounted

Operator Environment

- Bolt-on FOGS Capability
- Cab
 - Ashtray with Cigar Lighter
 - Beverage Holder
 - Bi-level Air Conditioner with Auto Climate Control and Defroster
 - Coat Hook
 - Floor Mat, Washable
 - Heater and Defroster
 - Hydraulic Neutralizer Lever for All Controls
 - Joystick Type Controls, Pilot Operated
 - Laminate Front Windshield
 - Language Display Monitor with Gauges
 - Warning Messages
 - Filter/Fluid Change Information
 - Start-up Fluid Level Check for:
 - Hydraulic Oil
 - Engine Oil and Coolant
 - Working Hour Information
 - Machine Condition
 - Error Code and Tool Mode Setting Information
 - Full Time Clock
 - Light, Interior
 - Literature Holder
 - Lunchbox with Cover
 - Polycarbonate Windows
 - Right Side, Left Side, and Lower Left Windows
 - Pop-up Skylight, Polycarbonate with Sunshade
 - Positive Filtered Ventilation
 - Pressurized Cab
 - AM/FM Radio w/Speakers
 - Retractable Front Windshield with Assist Device
 - Seat, Suspension Type
 - Four-way Adjustable
 - with Adjustable Armrests
 - Retractable Seatbelt
 - Storage Compartment
 - Travel Control Pedals with Removable Hand Levers
 - Windshield Wiper with Washer, Upper

Power Train

- Cat 3126B Diesel Engine
 - Air Intake Heater
 - Air-to-air Aftercooling (ATAAC)
 - 24V Electric Starting
 - Hydraulic electronic unit injectors (HEUI)
- 2,300 M Altitude Capability
- Automatic Engine Speed Control
 - with One Touch Low Idle
- Cooling
 - Protection of 43° C to -18° C at 50% Concentration
- Straight Line Travel
- Two Speed Auto-shift Travel
- Water Separator
 - Water Separator Level Indicator

Undercarriage

- Hydraulic Track Adjusters
- Idler and Center Section Track Guiding Guards
- Track-type Undercarriage with Grease Lubricated Seals
 - 800 mm (32") Triple Grouser Shoes - 325C L

Other Standard Equipment

- Automatic Swing Brake
- Automatic Work Modes
- Auxiliary Hydraulic Valve (1)
- Capability of Stackable Valve for Main Valve
 - (Maximum of Three Valves)
- Capability of Auxiliary Circuit
 - (Aux. Pump and Valves)
- Counterweight 5600 kg (12,346 lb)
- Door Locks and Caps Locks with One-key Security System
- Fine Swing Control
- Pre-wired for Product Link Capability
- System Mirrors (Frame-right, Cab-left)
- Wave Fin Radiator

Optional Equipment

Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.

Mandatory in Certain Countries

- Boom Lowering Control Device
- Cab with Tempered Windows
- Front Windshield, Laminated

Electrical

- Power Supply, 2 Socket 12V-7A
- Machine Security System
- Caterpillar Product Link 201

Operator Environment

- Bolt-on FOGS
- Cab
 - Hand Control Pattern Changer
 - Headrest
 - Heater and Defroster
 - Mounted Working Lights
 - Storage Compartment with Lid
 - Straight Travel Third Pedal
 - Sun Visor, Windshield
 - Windshield Wiper with Washer, Lower

Power Train

- Cold Weather Starting Aid
 - Two Additional Batteries
 - High Capacity Starting Motor
 - Heavy Duty Cable from Batteries to Starting Motor
- Cooling System
 - High Ambient Cooling Package (up to 52° C)

Undercarriage

- Track Guiding Guard
- 325C L Track Options
 - 700 mm (28") Triple Grouser
 - 700 mm (28") Double Grouser
 - 600 mm (24") Double Grouser
 - 800 mm (32") Heavy-Duty Triple Grouser
- Heavy-Duty Rollers

Other Optional Equipment

- 3 Auxiliary Hydraulic Arrangement Options
(*Including Boom and Stick Lines)
 - Hammer Circuit
 - For Single Function (1 way/2 pump) Hydraulic Tools
 - Thumb Circuit
 - For Double Function (2 Way/1 Pump) Hydraulic Tools
 - Tool Control Circuit
 - For Single or Double, 1 or 2 Way, 1 or 2 Pump, Hydraulic Tools
 - Attachment Controller
 - Joysticks with Additional Switches
- Air Prefilter
- Buckets, Tips, Protectors and Sidecutters
- Bucket Linkage
 - C-family - Reach
 - D-family - Mass
- Coupler, Quick, Hydraulic Pin Grabber
- Guards
 - Heavy Duty-Bottom
 - Falling Object Guarding System
 - Guard, Swivel
- Multi-Processor with Interchangeable Jaws
- Vandalism Protection
- Rubber Bumpers
- Stick and Boom Combinations
 - Reach Boom 6.15 m (20'2")
 - R3.2C 3200 mm (10'6")
 - R2.65C 2650 mm (8'8")
 - Mass Boom 5.5 m (18'1")
 - M3.2C 3200 mm (10'2")
 - M2.5D 2500 mm (8'2")
 - Super Long Reach Configuration
 - 18 m (59') Reach Capability

325C L Hydraulic Excavator

AEHQ5466-02 (10-03)

NACD, CACo (Replaces AEHQ5466-01)

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