

320C L Hydraulic Excavator



Engine and Hydraulics

The Cat® 3066 T engine and proven hydraulics combine to give the 320C consistently high power and control in the field.

Structures

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

Booms and Sticks

Designed-in flexibility helps bring higher production and efficiency to all jobs.

Work Tools - Attachments

A variety of bucket types and sizes with aggressive designs ensure excellent performance in a variety of applications.

Operator Station

Redesigned interior layout maximizes operator space, provides exceptional comfort and reduces operator fatigue.

Serviceability

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

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.



Work Tools

- 360 Degree Rotation Shears
- Boom Lines Group
- Complete Kit
- Connector Lines
- Contractors' Grapples
- Control Group
- Dedicated Coupler - Wedge Lock
- Dedicated HEX Coupler Mounting Brackets
- Ditch Cleaning Buckets - Excavator
- General Purpose Buckets - Excavator
- Heavy-Duty Buckets - Excavator
- Heavy-Duty Power Buckets - Excavator
- Heavy-Duty Rock Buckets - Excavator
- Large Hammers
- Pin Lock Couplers
- Pin-Grabber Coupler Contractors' Grapple
- Stick Lines Group

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Specifications

Engine

Engine Model	Cat 3066 T Diesel Engine	
Flywheel Power	103 kW	138 hp
ISO 9249	103 kW	138 hp
SAE J1349	103 kW	138 hp
EEC 80/1269	103 kW	138 hp
Bore	102 mm	4.02 in
Stroke	130 mm	5.12 in
Displacement	6.37 L	389 in ³
Gross Power	107 kW	143 hp

- The 320C/320C L meets US Tier 2 and EU Stage II emissions requirements.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- No engine derating required below 2300 m (7,500 ft) altitude.

Weights

Operating Weight - Std. Undercarriage	19 700 kg	43,400 lb
Operating Weight - Long Undercarriage	21 000 kg	46,300 lb

Service Refill Capacities

Fuel Tank Capacity	400 L	106 gal
Cooling System	30 L	7.9 gal
Engine Oil	30 L	7.9 gal
Swing Drive	8 L	2.1 gal
Final Drive (each)	10 L	2.6 gal
Hydraulic System (including tank)	200 L	53 gal
Hydraulic Tank	120 L	32 gal

Standards

Brakes	SAE J1026 APR90
Cab/FOGS	SAE J1356 FEB88 ISO 10262

Hydraulic System

Main Implement System - Maximum Flow (2x)	205 L/min	54.2 gal/min
Max. pressure - Implements (Full Time)	34 300 kPa	4980 psi
Max. pressure - Travel	34 300 kPa	4980 psi
Max. pressure - Swing	25 000 kPa	3625 psi
Pilot System - Maximum flow	41 L/min	10.8 gal/min
Pilot System - Maximum pressure	4120 kPa	600 psi
Boom Cylinder - Bore	120 mm	5 in
Boom Cylinder - Stroke	1260 mm	52 in
Stick Cylinder - Bore	140 mm	5.5 in
Stick Cylinder - Stroke	1430 mm	56 in
B Family Bucket Cylinder - Bore	120 mm	5 in
B Family Bucket Cylinder - Stroke	1030 mm	41 in
C Family Bucket Cylinder - Bore	130 mm	5 in
C Family Bucket Cylinder - Stroke	1150 mm	46 in

Drive

Maximum Drawbar Pull	196 kN	44,040 lb
Maximum Travel Speed	5.5 kph	3.4 mph

Swing Mechanism

Swing Speed	11.5 RPM	11.5 RPM
Swing Torque	61.8 kN-m	45,611 lb ft

Track

Standard w/Standard Undercarriage	600 mm	24 in
Standard w/Long Undercarriage - Triple Grouser	800 mm	32 in
Optional	600 mm	24 in
Optional	700 mm	28 in
Optional	800 mm	32 in

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Materials and specifications subject to change without notice.

Featured machines in photo may include additional equipment.

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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Product ID: 320C L NACD/LACD

