

Machines

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- » **Hydraulic Excavators**
- » Motor Graders
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M322C HYDRAULIC EXCAVATORS

--- Select a Model ---

Overview &
Specifications

Benefits & Features

Worktools /
Attachments

M322C OVERVIEW & SPECIFICATIONS

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M322C

The C Series incorporates innovations for improved performance and versatility. Increased lifting capacity, improved cycle times, and ease of operation lead to increased productivity and cost effective solutions.

NEXT STEPS

Use the resources below to help you make the right decision.

- [Find Your Dealer](#)
- [Financing](#)
- [Rentals](#)
- [Insurance](#)
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RELATED INDUSTRIES

M322C DETAILED SPECIFICATIONS

Engine

Engine Model	3056E ATAAC
Gross Power	170 hp / 127 kW
Net Power	164 hp / 122 kW
Flywheel Power	164 hp / 122.29 kW
ISO 9249	164 hp / 122 kW
EEC 80/1269	164 hp / 122 kW
Bore	3.9 in / 100 mm
Stroke	5 in / 127 mm
Displacement	366 in ³ / 6 L
Cylinders	6
Maximum Torque at 1400 rpm	512.6 lb ft / 695 N.m

Weights

Operating Weight	22 700 kg
Rear dozer only	46300 lb / 21000 kg
Rear dozer, front outriggers	49160 lb / 22300 kg
Front and rear outriggers	50045 lb / 22700 kg
Rear dozer only	45195 lb / 20500 kg
Rear dozer, front outriggers	48060 lb / 21800 kg
Front and rear outriggers	48940 lb / 22200 kg
Dozer Blade	1985 lb / 900 kg
Outriggers	2870 lb / 1300 kg
Counterweight	9700 lb / 4400 kg

Transmission

Maximum Travel Speed	15.5 mph / 25 kph
1st Gear, Forward/Reverse	5.6 mph / 9 kph
2nd Gear, Forward	15.5 mph / 25 kph
2nd Gear, Reverse	12.4 mph / 20 kph

Creeper Speed (1st Gear)	2.5 mph / 4 kph
Creeper Speed (2nd Gear)	8.1 mph / 13 kph
Drawbar Pull	24750 lb / 110.1 kN
Maximum Gradeability	60.5% or 31°

Operating Specifications

Max. Reach at Ground Level	33.2 ft / 10120 mm
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Swing Mechanism

Swing Speed	10.5 RPM / 10.5 RPM
Swing Torque	41525 lb ft / 56.3 kN.m
Maximum Flow	29.6 gal/min / 112 L/min
Pressure	4496 psi / 31000 kPa

Tires

Standard	11.00-20 dual pneumatic
Optional	10.00-20 dual solid rubber; 18-R 19.5 XF single

Hydraulic System

Tank Capacity	59.4 gal / 225 L
System Capacity	92 gal / 350 L
Implements	5076 psi / 35000 kPa
Travel	5076 psi / 35000 kPa
Maximum Flow	92 gal/min / 350 L/min
Auxiliary System - Medium Pressure Max	450 psi / 3100 kPa

Service Refill Capacities

Fuel Tank Capacity	102 gal / 385 L
Cooling	10.3 gal / 39 L
Engine Crankcase	4.8 gal / 18 L
Rear Axle Housing (Differential)	2.9 gal / 11 L
Front Steering Axle (Differential)	2.1 gal / 8 L
Disk Brakes	0.5 gal / 2 L
Powershift Transmission	0.8 gal / 3 L

Cab

Cab/FOGS option	ISO 10262
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