



# Cat<sup>®</sup> 323D2 L

## Hydraulic Excavator

### 2017

*The 323D2 L incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, and high versatility.*

#### Performance

- The Cat<sup>®</sup> C7.1 ACERT™ electronic controlled engine meets U.S. EPA Tier 2/EU Stage II equivalent emission standards.
- Constant engine speed control helps manage pump and engine rpm for improved fuel efficiency.
- An electric fuel priming pump speed up starts and fuel system maintenance.
- Boom and stick regeneration reduces fuel consumption.

#### Versatility

- Cat attachments open you up to multiple money-making opportunities.
- Demolition work is quick and easy with a Cat hammer, thumb, shear, or multiprocessor.
- Utility and finishing work are fast and flawless with a Cat tilt bucket and compactor.
- A coupler lets you swap between attachments in seconds without leaving the cab.
- See the whole attachment line for your machine at [www.cat.com/attachments](http://www.cat.com/attachments).

#### Ease of Operation

- The cab is ergonomically designed with easy-to-operate controls.
- Multiple seat and joystick adjustment options enhance comfort.
- Excellent work site visibility from the cab enhances productivity and safety.
- Optimized low-effort joystick controls reduce operator fatigue.
- Automatic climate control maximizes comfort.

#### Safety

- The hydraulic activation lever safely locks out all hydraulic functions.
- Anti-skid plating and countersunk bolts reduce slipping in severe conditions and during routine checks.
- A full-length firewall separates the pump compartment from the engine.
- A ground-level cutoff switch shuts down the engine in an emergency.

#### Durability

- The 323D2 has the largest structures in its size class.
- The modified X-frame structure provides long life and durability.
- Heavy-duty booms and sticks are built for tough work.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.
- An air precleaner protects the engine and extends engine life in dusty environments.

#### Maintenance

- Most service locations can be accessed at ground level.
- Fuel filters reduced from four to three with 500 hour service intervals help lower operational cost.
- Filters are grouped together to reduce maintenance time.
- Pressure taps and S-O-S<sup>SM</sup> ports help maximize uptime.

#### Technology

- Integrated Cat technology solutions increase production and minimize operating costs.
- Product Link™ reports key information from the machine to any location.



# Cat® 323D2 L Hydraulic Excavator

## Engine

Engine Model	Cat C7.1 ACERT	
Engine Power – ISO 14396	118 kW	158 hp
Net Power – SAE J1349/ISO 9249	116 kW	156 hp
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in <sup>3</sup>
Engine RPM		
Operation	1,700 rpm	
Travel	1,800 rpm	
<ul style="list-style-type: none"> <li>• The Cat C7.1 ACERT engine meets Tier 2/Stage II equivalent emission standards.</li> <li>• Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.</li> <li>• The field-proven C7.1 ACERT engine can work efficiently at altitudes up to 5000 m (16,405 ft).</li> </ul>		

## Swing Mechanism

Swing Speed	10.5 rpm	
Swing Torque	61.8 kN·m	45,581 lbf·ft

## Drive

Maximum Travel Speed	5.6 km/h	3.5 mph
Drawbar Pull	205 kN	46,086 lbf

## Track

Standard with Long Undercarriage	600 mm	24 in
Optional for Long Undercarriage	790 mm	31 in

## Operating Weight

Minimum Operating Weight	22 100 kg	48,720 lb
Maximum Operating Weight	22 800 kg	50,270 lb

## Service Refill Capacities

Fuel Tank Capacity	410 L	108 gal
Cooling System	25 L	6.6 gal
Engine Oil	22 L	5.8 gal
Swing Drive	8 L	2.1 gal
Final Drive (each)	10 L	2.6 gal
Hydraulic System Oil Capacity (including tank)	260 L	68.7 gal
Hydraulic Tank	120 L	31.7 gal

## Dimensions

Boom Options	Reach Boom – 5.7 m (18'8")		Mass Boom – 5.2 m (17')	
	HD R2.9B1 (9'6")	HD R2.5B1 (8'2")	M2.4CB2 (7'10")	M1.9CB2 (6'2")
Stick Options				
Shipping Height*	3030 mm (9'11")	3050 mm (10'1")	3280 mm (10'9")	3176 mm (10'5")
Shipping Length	9460 mm (31')	9460 mm (31')	9050 mm (29'8")	9200 mm (30'2")
Tail Swing Radius	2750 mm (9')	2750 mm (9')	2750 mm (9')	2750 mm (9')
Length to Center of Rollers – Long Undercarriage	3650 mm (12')	3650 mm (12')	3650 mm (12')	3650 mm (12')
Track Length – Long Undercarriage	4455 mm (14'7")	4455 mm (14'7")	4455 mm (14'7")	4455 mm (14'7")
Track Gauge – Long Undercarriage	2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")
Transport Width – Long Undercarriage				
600 mm (24 in) Shoes	2980 mm (9'9")	2980 mm (9'9")	2980 mm (9'9")	2980 mm (9'9")
790 mm (31 in) Shoes	3170 mm (10'5")	3170 mm (10'5")	3170 mm (10'5")	3170 mm (10'5")
Cab Height*	2950 mm (9'8")	2950 mm (9'8")	2950 mm (9'8")	2950 mm (9'8")

\*Including shoe lug height.

## Hydraulic System

Main System – Maximum Flow at Travel	214×2 L/min	56.5×2 gal/min
Main System – Maximum Flow at Operation	202×2 L/min	53.4×2 gal/min
Swing System – Maximum Flow	202 L/min	53.4 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	25 000 kPa	3,626 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi

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