



# Cat<sup>®</sup> 330D2 L

## Hydraulic Excavator

### 2017

*The Cat<sup>®</sup> 330D2 L offers top productivity, durability, and versatility, no matter what your application. It is built to handle a wide range of jobs – from quarry and industrial material handling to construction, and more.*

#### Performance

- Powerful Cat C7.1 ACERT™ electronic controlled engine with reduced fuel consumption.
- Burns up to 15% less fuel than the 329D L.
- Improves filtration efficiency and machine robustness by new filtration system.
- Improves fuel efficiency by managing pump and isochronous engine speed control.
- Electrical Fuel Priming Pump (EPP) speeds up starts and fuel system maintenance and protects fuel pump from risk of air cavitation.
- The variable-speed fan reduces noise and saves energy.

#### Ease of Operation

- The Roll-Over Protective Structure (ROPS) cab meets safety regulations in different regions.
- Cabs are equipped with easy-to-operate controls.
- Multiple seat and joystick adjustment options enhance comfort.
- Optimized low-effort joystick controls reduce operator fatigue.
- The LCD monitor is easy to navigate and programmable in 42 languages.
- A rearview camera and a side view camera greatly enhance visibility behind the machine, helping the operator work more safely and productively.

#### Durability

- The strong, durable carbody is designed to work in the toughest operating conditions.
- Electrical wires are colored, numbered, and protected with thick braiding for ease of identification and long life.
- The modified X-frame structure provides long life and durability.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.
- The long undercarriage (L) maximizes stability and lift capacity.
- Upper frame with special mounts supports ROPS cab.
- A redesigned fuel injection system enhances reliability.

#### Technology

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

#### Safety

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



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## Engine

Engine Model	Cat C7.1 ACERT	
Net Power – SAE J1349	156 kW	209 hp
Net Power – ISO 14396	159 kW	213 hp
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in <sup>3</sup>
<ul style="list-style-type: none"> <li>The Cat C7.1 ACERT meets exhaust emissions equivalent to U.S. EPA Tier 3, EU Stage IIIA, China Nonroad Stage III 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>		

## Engine RPM

Operation	1,700 rpm
Travel	1,800 rpm

## Weights

Turkey		
Operating Weight	28 930 kg	63,780 lb
<ul style="list-style-type: none"> <li>Based on: Long Undercarriage with 600 mm (24 in) TG LC Track + Reach Boom + R2.65CB2 (8'8") Stick + 1.54 m<sup>3</sup> (2.01 yd<sup>3</sup>) Bucket</li> </ul>		
Hong Kong		
Operating Weight	29 420 kg	64,860 lb
<ul style="list-style-type: none"> <li>Based on: Long Undercarriage with 600 mm (24 in) TG LC Track + HD Reach Boom + R3.2CB2 (10'6") HD Stick + 1.54 m<sup>3</sup> (2.01 yd<sup>3</sup>) Bucket</li> </ul>		

## Swing

Swing Speed	9.6 rpm	
Swing Torque	82.2 kN-m	60,628 lbf-ft

## Drive

Maximum Travel Speed	5.3 km/h	3.4 mph
Maximum Drawbar Pull	248 kN	55,753 lbf

## Service Refill Capacities

Fuel Tank Capacity	520 L	137.4 gal
Cooling System	31 L	8.2 gal
Engine Oil	22 L	5.8 gal
Swing Drive	10 L	2.6 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System Oil Capacity (including tank)	310 L	81.9 gal
Hydraulic Tank Oil	257 L	67.9 gal

## Hydraulic System

Main System – Maximum Flow at Travel H/L (1,800 rpm)	254 × 2 (508 total) L/min	67.1 × 2 (134.2 total) gal/min
Main System – Maximum Flow at Travel L/L (1,750 rpm)	247 × 2 (494 total) L/min	65.2 × 2 (130.4 total) gal/min
Main System – Maximum Flow (each) at Operation (1,700 rpm)	240 × 2 (480 total) L/min	63.4 × 2 (126.8 total) gal/min
Swing System – Maximum Flow	240 L/min	63.4 gal/min
Maximum Pressure – Equipment	35 MPa	5,076 psi
Maximum Pressure – Travel	35 MPa	5,076 psi
Maximum Pressure – Swing	27.5 MPa	3,983 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi

## Dimensions

Stick Type	HD Reach Boom– 6.15 m (20'2")		Reach Boom– 6.15 m (20'2")	
	R3.2 (10'6") HD		R2.65 (8'8")	
Bucket	1.54 m <sup>3</sup> (2.01 yd <sup>3</sup> )		1.54 m <sup>3</sup> (2.01 yd <sup>3</sup> )	
Overall Length	10 360 mm	34'0"	10 370 mm	34'0"
Overall Height	3330 mm	10'11"	3420 mm	11'3"
Height of Cab	3040 mm	10'0"	3040 mm	10'0"
Overall Width	3190 mm	10'6"	3190 mm	10'6"
Track Shoe Width	600 mm	24"	600 mm	24"
Width of Upper Structure	2900 mm	9'6"	2900 mm	9'6"

• Long Undercarriage with 600 mm (24 in) TG Shoes.

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