



# Cat<sup>®</sup> 349D2 L

## *Hydraulic Excavator*

### **Performance**

- Powerful, efficient engine delivers superior durability and provides best in class performance.
- Highly efficient pump and main control valve deliver superior hydraulic power.
- Fuel conscious customers can run the machine in economy mode and achieve notable reduction in fuel consumption with no loss in digging or lifting forces.
- Machine reverts back to ECO mode upon machine start up to lower owning and operating costs.
- Robust two-stage fuel filtration system improves reliability.

### **Versatility**

- Multiple front linkage configurations meet all application needs.
- Specially designed and matched Cat<sup>®</sup> buckets and Ground Engaging Tools maximize machine performance.

### **Safety**

- Hydraulic activation lever safely locks out all hydraulic functions.
- Anti-skid plating and countersunk bolts reduce slipping in severe conditions.
- Full length firewall separates the pump compartment from the engine.
- Ground level fuel cut off switch shuts down the engine in an emergency.

### **Durability**

- Modified X-frame structure provides long life and durability.
- Robotically welded and stress relieved booms and sticks with internal baffle plates improve durability.
- Greased and Lubricated Tracks (GLT) provide longer life.

### **Ease of Operation**

- Ergonomically designed cab with easy to operate controls provides safe, comfortable work environment.
- Multiple seat and joystick adjustment options enhance comfort.
- Excellent work site visibility from the cab enhances productivity and safety.
- LCD monitor display with 28 language capability clearly displays critical information.
- Optimized low effort joystick controls reduce operator fatigue.
- Automatic climate control system with 10 vents maximizes comfort.

### **Serviceability**

- Most service locations can be accessed at ground level.
- Extended service intervals lower owning and operating costs.
- Remote mounted filters reduce time needed to service machine.
- Pressure taps and S-O-S<sup>SM</sup> ports help maximize uptime.

### **Technology**

- Cat Connect technology solutions increase production and minimize operating costs.
- LINK technologies wirelessly connect you to your job site, providing essential business information.



# Cat® 349D2 L Hydraulic Excavator

## Engine

Engine Model	Cat C13 ACERT™	
Engine Power (ISO 14396)	301 kW	403 hp
Net Power (SAE J1349/ISO 9249)	289 kW	387 hp
Bore	130 mm	5.11 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	762 in³

## Weights

Operating Weight		
Standard Undercarriage	45 260 kg	99,800 lb
Long Undercarriage	46 520 kg	102,600 lb

## Track

	Standard	Long – Fixed
Number of Shoes (each side)	49	52
Number of Track Rollers (each side)	8	9
Number of Carrier Rollers (each side)	2	2

## Swing Mechanism

Swing Speed	8.7 rpm	
Swing Torque	149 kN-m	109,896 lbf-ft

## Drive

Maximum Travel Speed	4.5 km/h	2.7 mph
Maximum Drawbar Pull	338 kN	75,985 lbf

## Hydraulic System

Main System – Maximum Flow (Total)	734 L/min	193 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	31 400 kPa	4,554 psi
Pilot System – Maximum Flow	43 L/min	11.3 gal/min
Pilot System – Maximum Pressure	4110 kPa	596 psi
Boom Cylinder – Bore	160 mm	6.0 in
Boom Cylinder – Stroke	1575 mm	62.0 in
Stick Cylinder – Bore	190 mm	7.0 in
Stick Cylinder – Stroke	1778 mm	70.0 in
TB Bucket Cylinder – Bore	160 mm	6.0 in
TB Bucket Cylinder – Stroke	1356 mm	53.0 in
UB Bucket Cylinder – Bore	170 mm	6.0 in
UB Bucket Cylinder – Stroke	1396 mm	55.0 in

## Service Refill Capacities

Fuel Tank Capacity	705 L	186 gal
Cooling System	35.5 L	9 gal
Engine Oil (with filter)	42 L	11 gal
Swing Drive (each)	10 L	2 gal
Final Drive (each)	15 L	3 gal
Hydraulic System (including tank)	570 L	150 gal
Hydraulic Tank	243 L	64 gal

## Dimensions

Boom Option	Reach Boom 6.9 m (22'8")	
Stick Option	R3.4TB (11'0")	
Shipping Height	3550 mm	11'6"
Shipping Length	11 890 mm	39'0"
Tail Swing Radius	3690 mm	12'1"
Length to Center Rollers		
Standard Undercarriage	4030 mm	13'3"
Long Fix Undercarriage	4360 mm	14'4"
Track Length – Standard Undercarriage	5070 mm	16'8"
Track Length – Long Fix Undercarriage	5370 mm	17'6"
Ground Clearance	510 mm	1'8"
Track Gauge	2740 mm	9'0"
Transport Width		
600 mm (24 in) Shoes	3430 mm	11'3"
750 mm (30 in) Shoes	3490 mm	11'5"
Cab Height	3220 mm	10'6"
Counterweight Clearance	1280 mm	4'2"

## Working Ranges

Boom Option	Reach Boom 6.9 m (22'8")	
Stick Option	R3.4TB (11'0")	
Maximum Digging Depth	7600 mm	24'11"
Maximum Reach at Ground Level	11 660 mm	38'3"
Maximum Cutting Height	10 800 mm	35'5"
Maximum Loading Height	7470 mm	24'6"
Minimum Loading Height	2800 mm	9'2"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7460 mm	24'6"
Maximum Vertical Wall Digging Depth	6300 mm	20'8"

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2017 Caterpillar  
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ1601-01 (10-2017)  
Replaces AEXQ1601  
(GN1)

