



# Cat® 349F/ 349F L

*Hydraulic Excavator*

2017

***The 349F L is built to keep your production numbers up and your owning and operating costs down while giving you all the power, fuel efficiency, and reliability you need to succeed.***

## Performance

- The C13 ACERT™ engine meets Japan 2014 (Tier 4 Final) emission standards.
- Automatic engine speed control lowers rpm based on load for reduced fuel consumption.
- Power modes help you more actively manage fuel consumption.

## Cat® Connect Technology

- Cat Connect technology solutions increase production, minimize operating costs, and optimize return on investment by offering LINK, GRADE, and DETECT technologies.
- VisionLink® provides wireless access to machine operating data such as location, hours, idle time, fuel usage, productivity, and diagnostic codes to optimize performance.
- Cat Grade Control provides real-time cut and fill information to assist you in attaining grades and slopes more quickly and accurately.

## Maintenance

- Routine maintenance items like grease points and fluid taps are easy to reach at ground level.
- The side-by-side cooling system enables easy cleaning.
- Multiple S-O-S<sup>SM</sup> ports and pressure diagnostic taps help prevent maintenance downtime.

## Comfort

- The full-size roll-over protective structure (ROPS) certified cab is quiet and comfortable.
- Joystick consoles and armrests are adjustable. Seats are adjustable and feature air suspension and heated and cooled options.
- The LCD monitor is easy to navigate and programmable in 44 languages.

## Versatility

- Demolition work is quick and easy with a Cat shear or multiprocessor.
- Quarry work is no problem with a purpose-built Cat bucket and hammer.
- A Cat coupler lets you swap between attachments in seconds without leaving the cab.

## Durability

- Booms and sticks are built for long service.
- Box-section structures with multi-plate fabrications, castings, and forgings are used in high-stress areas. Track shoes, links, rollers, idlers, and final drives are built with high-tensile-strength steel.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.

## Safety

- Smart refuel senses when to shut off the fast fill fuel pump to help avoid overfilling.
- The rearview camera enhances visibility to help make operators more effective and efficient.
- Extended hand and guard rails allow for safer climbing to the upper deck, and anti-skid plates reduce slipping hazards in all types of weather conditions.



オフロード法2014年  
基準適合

# Cat® 349F/349F L Hydraulic Excavator

Engine	
Engine Model	Cat C13 ACERT
Gross Power – SAE J1995	322 kW (432 hp)
Net Power – SAE J1349	311 kW (417 hp)
Bore	130 mm
Stroke	157 mm
Displacement	12.5 L

Machine Weight	
Minimum Operating Weight*	47 500 kg
Maximum Operating Weight**	49 300 kg
*With standard undercarriage, 650 mm DG, Reach boom, R3.35 m stick	
**With long fix undercarriage, 750 mm TG, Reach boom, R3.35 m stick	

Hydraulic System	
Main System – Maximum Flow (total)	770 L/min
Swing System – Maximum Flow	385 L/min
Maximum Pressure – Equipment	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	27 500 kPa
Pilot System – Maximum Flow	27 L/min
Pilot System – Maximum Pressure	4120 kPa

Drive	
Maximum Travel Speed	4.7 km/h
Maximum Drawbar Pull	335 kN

Service Refill Capacities	
Fuel Tank Capacity	720 L
Cooling System	50 L
Engine Oil (with filter)	38 L
Swing Drive (each)	10 L
Final Drive (each)	15 L
Hydraulic System (including tank)	570 L
Hydraulic Tank	407 L
DEF Tank	41 L

Swing	
Swing Speed	8.7 rpm
Swing Torque	148.5 kN·m

Dimensions		
<b>Boom</b>	<b>Reach Boom 6.9 m</b>	
<b>Stick</b>	<b>R3.35TB</b>	
<b>Bucket</b>	<b>1.9 m³</b>	
<b>Undercarriage Type</b>	<b>Standard</b>	<b>Long Fix</b>
Shipping Height	3730 mm	3730 mm
Shipping Length	11 900 mm	11 900 mm
Tail Swing Radius	3730 mm	3730 mm
Length to Center of Rollers	4030 mm	4360 mm
Track Length	5040 mm	5370 mm
Ground Clearance*	510 mm	510 mm
Track Gauge	2740 mm	2740 mm
Transport Width – 750 mm Shoes	3490 mm	3490 mm
Cab Height	3230 mm	3230 mm
Cab Height with Top Guard	3430 mm	3430 mm
Counterweight Clearance*	1280 mm	1280 mm
*Without shoe lug height.		

Working Ranges	
<b>Boom</b>	<b>Reach Boom 6.9 m</b>
<b>Stick</b>	<b>R3.35TB</b>
<b>Bucket</b>	<b>1.9 m³</b>
<b>Undercarriage Type</b>	<b>Standard/Long Fix</b>
Maximum Digging Depth	7660 mm
Maximum Reach at Ground Level	11 730 mm
Maximum Cutting Height	10 820 mm
Maximum Loading Height	7430 mm
Minimum Loading Height	2750 mm
Maximum Vertical Wall Digging Depth	5830 mm

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Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to provide specific training for all operators on machines with ship weight less than 3 metric ton. For machines greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved registered training school.

AEXQ1931-01  
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(Japan)

