



Cat[®] 390F L

Hydraulic Excavator

2017

The 390F 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 C18 ACERT™ engine meets Japan 2014 (Tier 4 Final) emission standards.
- Exclusive Cat Adaptive Control System (ACS) valve puts flow where it's needed when it's needed for smoother operation and greater efficiency. Engine burns up to 12% less fuel than previous model 390D.
- 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 Production Measurement brings payload weighting to the cab and enables operators to weigh loads "on the go."
- Cat Connect technology solutions increase production, minimize operating costs, and optimize return on investment by offering LINK, 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.

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-SSM ports and pressure diagnostic taps help prevent maintenance downtime.

Comfort

- The cab is comfortable and quieter than 390D.
- 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.

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® 390F L Hydraulic Excavator

Engine

Engine Model	Cat C18 ACERT
Engine Power – ISO 14396	405 kW (543 hp)
Net Power – SAE J1349	391 kW (524 hp)
Bore	145 mm
Stroke	183 mm
Displacement	18.1 L

Machine Weight

Operating Weight*	86 030 kg
*Reach 8.4 m boom, R3.7m stick , 3.9 m ³ bucket and 650 mm shoes.	

Hydraulic System

Main System – Maximum Flow (total)	
Implement	952 L/min
Travel	1064 L/min
Maximum Pressure – Equipment	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	35 000 kPa
Pilot System Maximum Flow	67 L/min
Pilot System Maximum Pressure	4400 kPa

Drive

Maximum Travel Speed	4.5 km/h
Maximum Drawbar Pull	590 kN

Service Refill Capacities

Fuel Tank Capacity	1240 L
Cooling System	74 L
Engine Oil	60 L
Swing Drive (each)	19 L
Final Drive (each)	21 L
Hydraulic System (including tank)	997 L
Hydraulic Tank	813 L
DEF Tank	48 L

Swing

Swing Speed	6.2 rpm
Swing Torque	260 kN·m

Dimensions

Boom Option	Reach Boom 8.4 m
Stick Option	R3.7HB2
Shipping Height	5490 mm
Shipping Length	14 710 mm
Tail Swing Radius	4700 mm
Length to Center of Rollers	5120 mm
Track Length	6360 mm
Ground Clearance	900 mm
Track Gauge	2750 mm
Transport Width – 650 mm Shoes	4160 mm
Cab Height	3670 mm
Counterweight Clearance	1640 mm

Working Ranges

Boom Option	Reach Boom 8.4 m
Stick Option	R3.7HB2
Maximum Digging Depth	8950 mm
Maximum Reach at Ground Level	14 040 mm
Maximum Cutting Height	13 200 mm
Maximum Loading Height	8990 mm
Minimum Loading Height	3750 mm
Maximum Vertical Wall Digging Depth	5930 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.

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(Japan)

