



Cat[®] 374F L

Hydraulic Excavator

2017

The 374F 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 C15 ACERT™ engine meets U.S. EPA Tier 2/EU Stage II equivalent or Tier 3/Stage IIIA equivalent emission standards.
- Exclusive Cat[®] Adaptive Control System (ACS) valve enables the machine to consume up to 28%* less fuel than the standard 374D L, while delivering the same high level of production.
- 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.
- Cat Production Measurement brings payload weighting to the cab so you can work more productively and deliver accurate loads with confidence.
- 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 and AccuGrade™ provide 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-SSM ports and pressure diagnostic taps help prevent maintenance downtime.

*Product Link™ field results.

Comfort

- The cab is more comfortable and 3 dB(A) quieter than 374D L.
- 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.
- Tool control option remembers pressures and flows for up to 20 tools to enhance uptime.

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 fills the machine quickly from an external fuel source, it automatically stops when the fuel tank is full or the fuel source is empty, eliminating guess work and premature pump wear.
- The rearview and side-view cameras enhance visibility to help make operators more effective and efficient.
- Large serrated steps, extended hand and guard rails, and anti-skid plating will help you get in and around the machine.



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Engine

Engine Model	Cat C15 ACERT	
Engine Power – ISO 14396	362 kW	485 hp/492 PS
Net Power – SAE J1349/ISO 9249	352 kW	472 hp/479 PS
Bore	137 mm	5'4"
Stroke	171 mm	6'7"
Displacement	15.2 L	928 in ³

Hydraulic System

Main System – Maximum Flow (total)	896 L/min	237 gal/min
Maximum Flow – Travel	952 L/min	251 gal/min
Maximum Pressure – Equipment	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	35 000 kPa	5,076 psi
Pilot System – Maximum Flow	63 L/min	16.6 gal/min
Pilot System – Maximum Pressure	4400 kPa	638 psi

Drive

Maximum Travel Speed	4.1 km/h	2.6 mph
Maximum Drawbar Pull	492 kN	110,718 lb

Machine Weight

Operating Weight*	73 270 kg	161,533 lb
*Mass 7.0 m (23'0") boom, M2.57m stick (8'5"), 4.6 m ³ (6 yd ³) bucket, 650 mm shoes (26") shoes.		

Swing

Swing Speed	6.5 rpm	
Swing Torque	215 kN·m	158,576 lbf·ft

Service Refill Capacities

Fuel Tank Capacity	935 L	247 gal
Cooling System	74 L	20 gal
Engine Oil	60 L	16 gal
Swing Drive (each)	12 L	3.2 gal
Final Drive (each)	22 L	5.8 gal
Hydraulic System (including tank)	729 L	193 gal
Hydraulic Tank	612 L	162 gal

Sound Performance

Exterior – ISO 6395	108 dB(A)
Operator – SAE J1166/ISO 6396	72 dB(A)

Dimensions

Boom Option	Mass Boom 7.0 m	
Stick Option	M2.57WB	
Shipping Height	4630 mm	15'2"
Shipping Length	12 660 mm	41'6"
Tail Swing Radius	4015 mm	13'2"
Length to Center of Rollers	4705 mm	15'5"
Track Length	5870 mm	19'3"
Ground Clearance	840 mm	2'9"
Track Gauge – Retracted	2750 mm	9'0"
Track Gauge – Extended	3410 mm	11'2"
Transport Width – 650 mm (24 in) Shoes	3400 mm	11'2"
Transport Width – 900 mm (35 in) Shoes	3650 mm	11'11"
Cab Height	3550 mm	11'8"
Counterweight Clearance	1540 mm	5'1"

Working Ranges

Boom Option	Mass Boom 7.0 m	
Stick Option	M2.57WB	
Maximum Digging Depth	7220 mm	23'8"
Maximum Reach at Ground Level	11 450 mm	37'6"
Maximum Cutting Height	11 010 mm	36'2"
Maximum Loading Height	7080 mm	23'2"
Minimum Loading Height	3490 mm	11'5"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7060 mm	23'1"
Maximum Vertical Wall Digging Depth	4140 mm	13'7"

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