



# Cat<sup>®</sup> 352F L XE

## Hydraulic Excavator

### 2017

***The 352F L XE 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

- Cat<sup>®</sup> XE technology, like the exclusive Cat Adaptive Control System (ACS) valve enables the machine to consume up to 15% less fuel than the standard 352F L, while delivering the same high level of production.
- The C13 ACERT<sup>™</sup> engine meets EU Stage IV 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.
- Cat Production Measurement brings payload weighting to the cab so you can work more productively and deliver accurate loads with confidence.
- VisionLink<sup>®</sup> 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<sup>™</sup> 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-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 42 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.
- 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.



# Cat® 352F L XE Hydraulic Excavator

## Engine

Engine Model	Cat C13 ACERT
Gross Power – SAE J1995	322 kW – 432 hp – 438 PS
Engine Power – ISO 14396	317 kW – 425 hp – 431 PS
Net Power – SAE J1349/ISO 9249	313 kW – 420 hp – 426 PS
Bore	130 mm
Stroke	157 mm
Displacement	12.5 L

## Machine Weight

Operating Weight*	51 360 kg
*With R6.9m boom, R3.35m stick, 3.1 m <sup>3</sup> GP bucket, 600 mm DG shoes.	

## Hydraulic System

Main System – Maximum Flow (total)	750 L/min
Swing System – Maximum Flow	375 L/min
Maximum Pressure – Equipment	
Heavy Lift	38 000 kPa
Normal	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	26 000 kPa
Pilot System – Maximum Flow	26 L/min
Pilot System – Maximum Pressure	4120 kPa

## Drive

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

## Swing

Swing Speed	8.1 rpm
Swing Torque	147.5 kN·m

## 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 Capacity	41 L

## Sound Performance

Exterior – ISO 6395	108 dB(A)
Operator – SAE J1166/ISO 6396	73 dB(A)

## Dimensions

Boom Option	Heavy-Duty R6.9m
Stick Option	R3.35TB HD
Undercarriage	Long Variable Gauge
Shipping Height	3570 mm
Shipping Length	11 800 mm
Tail Swing Radius	3730 mm
Length to Center of Rollers	4340 mm
Track Length	5350 mm
Ground Clearance	
With Shoe Lug Height	710 mm
Without Shoe Lug Height	740 mm
Track Gauge – Retracted	2390 mm
Track Gauge – Extended	2890 mm
Transport Width 600 mm Shoes – Retracted	3180 mm
Transport Width 600 mm Shoes – Extended	3680 mm
Cab Height	3370 mm
Cab Height with Top Guard	3540 mm
Counterweight Clearance*	1430 mm

\*Without shoe lug height.

## Working Ranges

Boom Option	Heavy-Duty R6.9m
Stick Option	R3.35TB HD
Undercarriage	Long Variable Gauge
Maximum Digging Depth	7510 mm
Maximum Reach at Ground Level	11 710 mm
Maximum Cutting Height	10 970 mm
Maximum Loading Height	7580 mm
Minimum Loading Height	2900 mm
Maximum Depth Cut for 2440 mm Level Bottom	7360 mm
Maximum Vertical Wall Digging Depth	5680 mm

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