



# Cat<sup>®</sup> 323F L

## Hydraulic Excavator

### 2017

***The Cat<sup>®</sup> 323F L is the most efficient machine in its size class. Cat GRADE with Assist, nearly endless configurations, and multiple Cat work tool options will help you quickly take on all your 23-ton tasks.***

### Technology

- Cat Grade Control Depth and Slope helps operators work more productively and accurately with less rework.
- Optional Cat GRADE with ASSIST automates boom and bucket movements, including tilt buckets, to help operators of all skill levels dig flat bases and the right slopes every time.
- Product Link<sup>™</sup>/VisionLink<sup>®</sup> connects owners to their equipment, providing access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes.

### Performance

- The machine meets EU Stage IV emission standards and consumes up to 5% less fuel than the 323E L.
- Power modes and constant engine speed control help manage fuel consumption.
- Smooth, controlled lifting without time limit is available with the Heavy Lift function.
- Maximum breakout force is available at all times.

### Versatility

- Reach and super long reach options help you take on any job.
- Cat buckets, and compactors make utility and finishing work fast and flawless.
- Cat hammers, grapples, shears, and multi-processors make demolition work quick and easy.
- Cat couplers let you swap between attachments in seconds without leaving the cab.
- See the whole money-making attachment lineup at [www.cat.com/attachments](http://www.cat.com/attachments).

### Maintenance

- Routine maintenance items like grease points and fluid taps are reachable at ground level.
- Service doors prevent debris entry and latch in place to enhance service speed.
- The cooling system adjusts up and out of the way to make maintenance easy.

### Comfort

- The full-size roll-over protective structure (ROPS) certified cab is quiet and comfortable.
- Automatic climate control helps maintain consistent cab temperature.
- Standard rearview camera and right-hand side cameras enhance visibility around the machine.
- Seats are adjustable and feature air suspension and heated and cooled options.
- The LCD monitor is easy to navigate and programmable in 44 languages.

### Durability

- The large swing bearing is secured with elongated bolts to help handle the most swing-intensive work.
- Abrasion-resistant Cat XT<sup>™</sup>-6 hose can stand up to high pressures over the long haul.
- Booms and sticks are built for long service.
- Box-section structures with multi-plate fabrications, castings, and forgings are used in high-stress areas.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.



# Cat® 323F L Hydraulic Excavator

## Engine

Engine Model	Cat C7.1 ACERT™	
Engine Power – ISO 14396	122 kW	166 PS
Engine Power – ISO 9249	120 kW	163 PS
Bore	105 mm	
Stroke	135 mm	
Displacement	7.1 L	
Operation	1,500 rpm	
Travel	1,800 rpm	

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.43 metric tonnes.

## Hydraulic System

Main System – Maximum Flow (Total)	423 L/min
Maximum Pressure – Equipment	
Heavy Lift	38 000 kPa
Normal	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	25 500 kPa
Pilot System – Maximum Flow	20 L/min
Pilot System – Maximum Pressure	3920 kPa

## Drive

Maximum Travel Speed	5.5 km/h
Maximum Drawbar Pull	205 kN

## Machine Weights

Minimum Operating Weight	22 600 kg
Maximum Operating Weight	25 700 kg

## Swing

Swing Speed	11.0 rpm
Swing Torque	61.8 kN-m

## Sound Performance

ISO 6396 – Operator Sound Pressure Level	68 dB(A)
ISO 6395 – Exterior Sound Power Level	100 dB(A)

## Service Refill Capacities

Fuel Tank Capacity	410 L
Cooling System	30 L
Engine Oil	25 L
Swing Drive (each)	8 L
Final Drive (each)	8 L
Hydraulic System Oil (including tank)	260 L
Hydraulic Tank Oil	159 L
DEF Tank	20 L

## Dimensions

Boom	Reach Boom 5.7 m	VA Boom
<b>Stick</b>	R2.9 m	R2.9 m
<b>Bucket Capacity</b>	1.19 m <sup>3</sup>	1.3 m <sup>3</sup>
Shipping Height	3130 mm	3010 mm
Shipping Length	9540 mm	9780 mm
Tail Swing Radius	2830 mm	2830 mm
Length to Center of Rollers	3650 mm	3650 mm
Track Length	4460 mm	4460 mm
Ground Clearance	450 mm	450 mm
Track Gauge	2380 mm	2380 mm
Transport Width		
600 mm Shoe	2980 mm	2980 mm
700 mm Shoe	3080 mm	3080 mm
790 mm Shoe	3170 mm	3170 mm
Handrail Height	3010 mm	3010 mm
Counterweight Clearance	1020 mm	1020 mm

## Working Ranges

Boom	Reach Boom 5.7 m	VA Boom
<b>Stick</b>	R2.9 m	R2.9 m
<b>Bucket Capacity</b>	1.19 m <sup>3</sup>	1.3 m <sup>3</sup>
Maximum Digging Depth	6710 mm	6680 mm
Maximum Reach at Ground Line	9850 mm	10 200 mm
Maximum Cutting Height	9450 mm	11 520 mm
Maximum Loading Height	6500 mm	8410 mm
Minimum Loading Height	2180 mm	3270 mm
Maximum Depth Cut for 2440 mm Level Bottom	6540 mm	6580 mm
Maximum Vertical Wall Digging Depth	5610 mm	5290 mm

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