



Cat[®] 323F L

Hydraulic Excavator

2017

The Cat[®] 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[™]/VisionLink[®] connects owners to their equipment, providing access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes.

Performance

- The machine meets U.S. EPA Tier 4 Final/EU Stage IV emission standards and consumes up to 5% less fuel than the machine it replaces.
- 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

- Heavy-duty reach, heavy counterweight, and super long reach options help you take on any job.
- Cat buckets, thumbs, 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.

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.
- Joystick consoles and armrests are adjustable.
- Seats are adjustable and feature air suspension and heated and cooled options.
- Monitor is easy to navigate and programmable in 42 languages.

Durability

- Robot welded, Caterpillar designed booms and sticks are built for long service and backed with a three year, 10,000 hour warranty.
- Cat XT[™] hydraulic hose can stand up to high pressures over the long haul.
- Upper and lower frames are reinforced, and box-section structures with multi-plate fabrications, castings, and forgings are used in high-stress areas.
- Greased track link between pins and bushings increase undercarriage life.
- Heavy-duty bottom guards protect components from track debris and site material.



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Engine

Engine Model	Cat C7.1 ACERT	
Gross Power – SAE J1995	122 kW	164 hp
Net Power – SAE J1349	120 kW	161 hp
Engine rpm		
Operation	1,500 rpm	
Travel	1,800 rpm	
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.1 L	433 in ³

Hydraulic System

Main System – Maximum Flow (Total)	423 L/min	112 gal/min
Maximum Pressure – Equipment		
Heavy Lift	38 000 kPa	5,511 psi
Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	25 500 kPa	3,698 psi
Pilot System – Maximum Flow	20 L/min	5.3 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi

Drive

Maximum Travel Speed	5.5 km/h	3.4 mph
Maximum Drawbar Pull	205 kN	46,090 lbf

Machine Weights

Operating Weight (ANZ)	25 000 kg	55,100 lb
• Long undercarriage, 5.35 mt (5.9 t) counterweight, HD R5.7 (18'8") boom, R2.9 (9'6") stick, HD 1.19 m ³ (1.56 yd ³) bucket and 790 mm (31 in) HD shoes.		
Operating Weight (ADSD-N)	23 100 kg	50,900 lb
• Long undercarriage, 4.1 mt (4.5 t) counterweight, R5.7 (18'8") boom, R2.9 (9'6") stick, HD 1.19 m ³ (1.56 yd ³) bucket and 790 mm (31 in) HD shoes.		

Service Refill Capacities

Fuel Tank Capacity	410 L	108.3 gal
Cooling System	30 L	7.9 gal
Engine Oil	25 L	6.6 gal
Swing Drive (each)	8 L	2.1 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	260 L	68.7 gal
Hydraulic Tank	159 L	42.0 gal
DEF Tank	20 L	5.3 gal

Swing

Swing Speed	11.0 rpm	
Swing Torque	61.8 kN·m	45,580 lbf·ft

Sound Performance

ISO 6396 – Operator Noise (Closed)	68 dB(A)	
ISO 6395 – Spectator Noise	100 dB(A)	

Dimensions

HD Reach Boom 5.7 m (18'8")		
Stick	R2.9 (9'6")	
Shipping Height	3130 mm	10'3"
Shipping Length	9540 mm	31'4"
Tail Swing Radius	2830 mm	9'3"
Length to Center of Rollers	3650 mm	12'0"
Track Length	4460 mm	14'8"
Ground Clearance	450 mm	1'6"
Track Gauge	2380 mm	7'10"
Transport Width		
600 mm (24 in) Shoes	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"
790 mm (31 in) Shoes	3170 mm	10'5"
Handrail Height	3010 mm	9'11"
Counterweight Clearance	1020 mm	3'4"

• With HD 1.19 m³ (1.56 yd³) bucket and 790 mm (31 in) shoes.

Working Ranges

HD Reach Boom 5.7 m (18'8")		
Stick	R2.9 (9'6")	
Maximum Digging Depth	6720 mm	22'1"
Maximum Reach at Ground Level	9860 mm	32'4"
Maximum Cutting Height	9370 mm	30'9"
Maximum Loading Height	6490 mm	21'4"
Minimum Loading Height	2170 mm	7'1"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 mm	21'6"
Maximum Vertical Wall Digging Depth	5060 mm	16'7"

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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(ADSD-N/ANZ)

